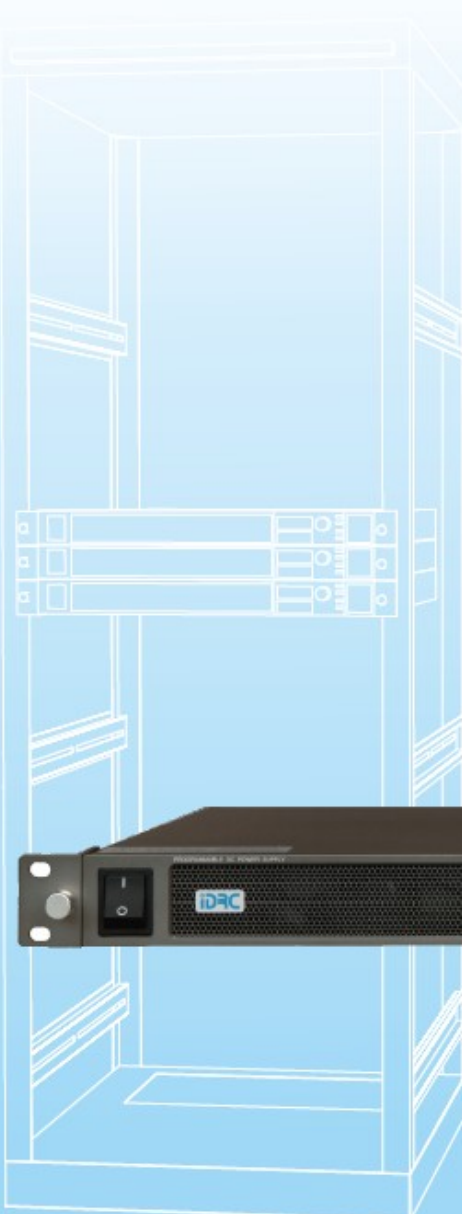


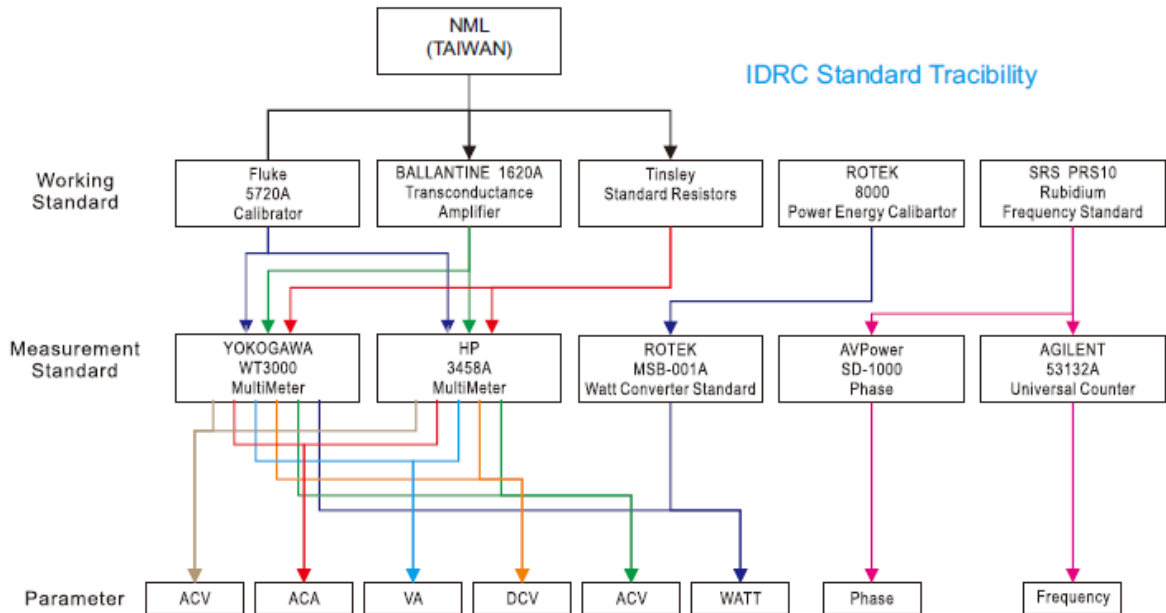
# High Density High Resolution

Programmable  
DC Power Supply



## 품질보장 (Guaranty)

IDRC 는 개발과 생산에서 정밀한 계측기를 사용하여 제품의 고품질을 보장합니다.



## 개발 혁신(Innovation)

여러해 동안 연구개발 하면서 34개의 국내(대만)외 특허를 취득하였으며 진행중인 내용도 다수 있습니다.



## DSP-HD / HR Programmable DC power supply



### Features

- 112 가지의 다양한 모델 : 6V ~ 600V /1A ~ 400A
- Display : 5 digits(SDP-HR) , 4Digits(DSP-HD)
- 스위칭 모드, 고정밀도, 손쉬운 19인치 랙 장착
- 750W (1U) , 1.5kW(1U/2uH),3kw(2U)
- 입력전압  
1U/1UH/2UH : 100~240VAC, 50Hz/60Hz,1P2W+GND  
2U : 190~240VAC 50Hz/60Hz,1P2W+GND
- 정전압(CV),정전류(CC) 모드 지원
- 고해상도의 설계 디자인 :  
출력전압/전류 설정 (16bit D/A)  
출력전압/전류 측정 (24bit A/D)
- 직병렬 연결 : 직렬연결(2대), 병렬연결(Max5대)
- 보호기능 : OVP,OCP,OTP
- 역률(Power factor) 보정기능
- 저장 메모리 16개
- 전원을 끄기 이전의 마지막 패널 설정 상태 저장
- Key Lock 기능
- 3개의 RISC Micro controller 내장
- 원격센싱(max 5V보상) 내장
- RS485 interface (기본), GPIB(옵션),LAN(option)
- RS485 전송속도 : Max 115200bps
- FAN 속도 제어
- DC 출력 On/Off
- CE 인증

DSP-HR 5 Digits Panel



DSP-HD 4 Digits Panel



Traditional power supply

1/8 size 1/7 weight

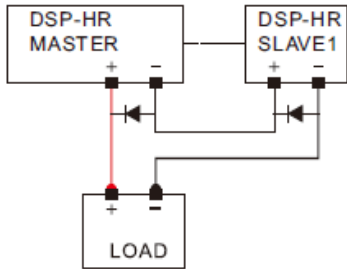
Octuple capacity



## Functions :

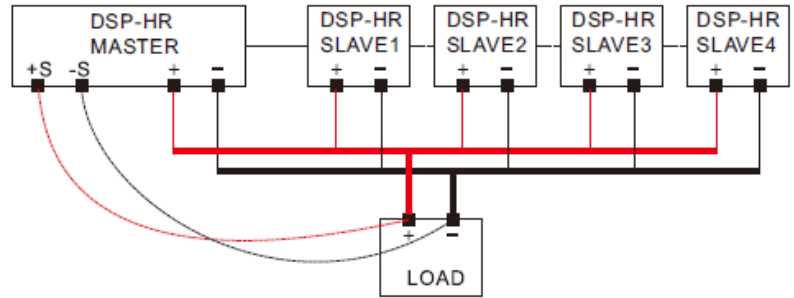
### Series(직렬)

출력전압을 높이기 위하여 같은 모델을 직렬연결 한다.



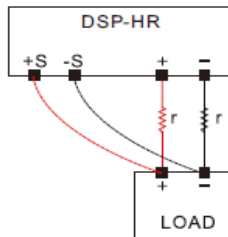
### Parallel(병렬)

부하가 전류를 초과하는 경우 최대 5대 연결 가능하다. 부하의 전류가 적은 경우 전력 소모를 방지하기 위하여 나머지는 off 연결한 한대가 다운되더라도 나머지가 전류를 분할 공급한다.



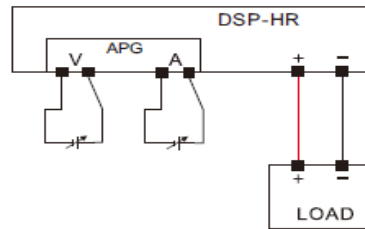
### Remote Sensing

출력리드선 저항에 의한 전압강하를 방지함.



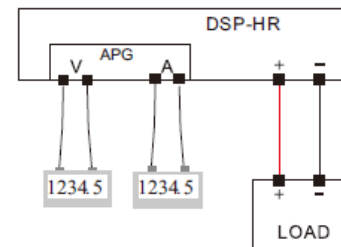
### Analog Control V/A

출력전압 혹은 제어를 외부의 전압을 통하여 제어가능



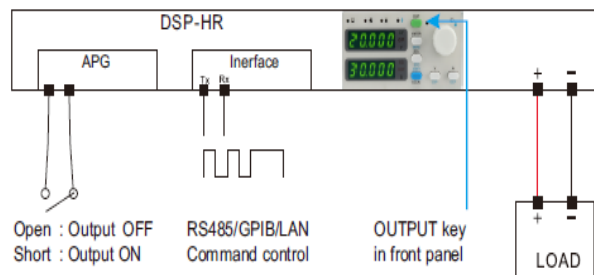
### Analog Monitor V/A

APG 컨넥터를 통하여 출력전압.전류 체크 가능



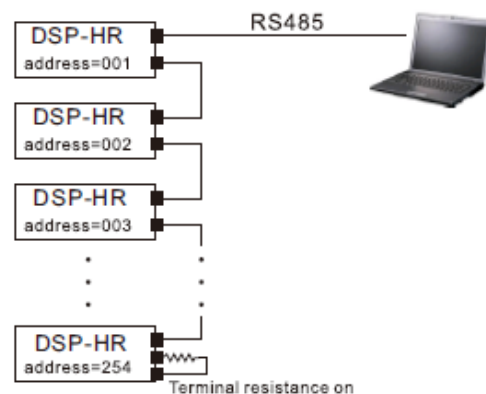
### On/Off 제어

다양한 제어를 통한 출력On/Off



### RS485/GPIB/LAN 연결

RS485 : Max 254 대, GPIB : MAX 30 대,  
LAN. : 무한대



**Specification :**

**DSP-HD 1UH 750W Series**

Output		Model	Ripple		Line regulation		Load regulation		Response time(S)			Remote Sense (V)	Size
CV	CC		CV	CC	CV	CC	CV	CC	Full Load	Full Load	No Load		
V	A		mV rms	mA rms	0.05% +mV	0.1% +mA	0.05% +mV	0.1% +mA	UP	Down	Down		
0 - 6	0 - 100	DSP-006-100HD	10	180	2.8	11	2.8	23	0.08	0.05	0.6	1	1UH
0 - 8	0 - 90	DSP-008-090HD	10	180	2.8	11	2.8	23	0.08	0.05	0.6	1	1UH
0 - 12.5	0 - 60	DSP-012.5-060HD	10	120	4	8.5	4	18	0.08	0.05	0.8	1	1UH
0 - 20	0 - 38	DSP-020-038HD	10	76	4	5.8	4	12.6	0.08	0.05	0.8	1	1UH
0 - 30	0 - 25	DSP-030-025HD	10	63	5	4.5	5	10	0.08	0.08	0.9	1.5	1UH
0 - 40	0 - 19	DSP-040-019HD	10	48	6	3.9	6	8.8	0.08	0.08	1	2	1UH
0 - 50	0 - 15	DSP-050-015HD	10	43	8	3.6	8	8.2	0.08	0.08	1.1	2	1UH
0 - 60	0 - 12.5	DSP-060-12.5HD	10	38	8	3.25	8	7.5	0.08	0.08	1.1	3	1UH
0 - 80	0 - 9.5	DSP-080-09.5HD	10	29	10	2.95	10	6.9	0.15	0.15	1.2	4	1UH
0 - 100	0 - 7.5	DSP-100-07.5HD	10	23	12	2.75	12	6.5	0.15	0.15	1.5	5	1UH
0 - 150	0 - 5	DSP-150-005HD	16	18	17	2.5	17	6	0.15	0.15	2	5	1UH
0 - 300	0 - 2.5	DSP-300-02.5HD	25	13	32	2.25	32	5.5	0.15	0.15	3	5	1UH
0 - 350	0 - 2.1	DSP-350-02.1HD	25	13	32	2.25	32	5.5	0.15	0.15	3	5	1UH
0 - 600	0 - 1.25	DSP-600-01.25HD	75	8	62	2.13	62	5.26	0.25	0.3	4	5	1UH

**DSP-HD 1U 1500W Series**

Output		Model	Ripple		Line regulation		Load regulation		Response time(S)			Remote Sense (V)	Size
CV	CC		CV	CC	CV	CC	CV	CC	Full Load	Full Load	No Load		
V	A		mV rms	mA rms	0.05% +mV	0.1% +mA	0.05% +mV	0.1% +mA	UP	Down	Down		
0 - 6	0 - 200	DSP-006-200HD	15	360	2.8	18.5	2.8	38	0.08	0.05	0.6	1	1U
0 - 8	0 - 180	DSP-008-180HD	15	360	2.8	18.5	2.8	38	0.08	0.05	0.6	1	1U
0 - 12.5	0 - 120	DSP-012.5-120HD	15	248	3.4	14.5	4	28	0.08	0.05	0.8	1	1U
0 - 20	0 - 76	DSP-020-076HD	15	152	4	9.6	4	20.2	0.08	0.05	0.8	1	1U
0 - 30	0 - 50	DSP-030-050HD	15	125	5	7	5	15	0.08	0.08	0.9	1.5	1U
0 - 40	0 - 38	DSP-040-038HD	15	95	6	5.8	6	12.6	0.08	0.08	1	2	1U
0 - 50	0 - 30	DSP-050-030HD	15	85	7	5.2	7	11.4	0.08	0.08	1.1	2	1U
0 - 60	0 - 25	DSP-060-025HD	15	75	8	4.5	8	10	0.08	0.08	1.1	3	1U
0 - 80	0 - 19	DSP-080-019HD	15	57	10	3.9	10	8.8	0.15	0.15	1.2	4	1U
0 - 100	0 - 15	DSP-100-015HD	15	45	12	3.5	12	8	0.15	0.15	1.5	5	1U
0 - 150	0 - 10	DSP-150-010HD	24	45	12	3.5	12	8	0.15	0.15	2	5	1U
0 - 300	0 - 5	DSP-300-005HD	38	25	32	2.5	32	6	0.15	0.15	3	5	1U
0 - 350	0 - 4.2	DSP-350-04.2HD	38	25	32	2.5	32	6	0.15	0.15	3	5	1U
0 - 600	0 - 2.5	DSP-600-02.5HD	113	15	62	2.26	62	5.5	0.25	0.3	4	5	1U

**DSP-HDB 2UH 1500W Series**

Output		Model	Ripple		Line regulation		Load regulation		Response time(S)			Remote Sense (V)	Size
CV	CC		CV	CC	CV	CC	CV	CC	Full Load	Full Load	No Load		
V	A		mV rms	mA rms	0.05% +mV	0.1% +mA	0.05% +mV	0.1% +mA	UP	Down	Down		
0 - 6	0 - 200	DSP-006-200HDB	15	360	2.8	18.5	2.8	38	0.08	0.05	0.6	1	2UH
0 - 8	0 - 180	DSP-008-180HDB	15	360	2.8	18.5	2.8	38	0.08	0.05	0.6	1	2UH
0 - 12.5	0 - 120	DSP-012.5-120HDB	15	248	3.4	14.5	4	28	0.08	0.05	0.8	1	2UH
0 - 20	0 - 76	DSP-020-076HDB	15	152	4	9.6	4	20.2	0.08	0.05	0.8	1	2UH
0 - 30	0 - 50	DSP-030-050HDB	15	125	5	7	5	15	0.08	0.08	0.9	1.5	2UH
0 - 40	0 - 38	DSP-040-038HDB	15	95	6	5.8	6	12.6	0.08	0.08	1	2	2UH
0 - 50	0 - 30	DSP-050-030HDB	15	85	7	5.2	7	11.4	0.08	0.08	1.1	2	2UH
0 - 60	0 - 25	DSP-060-025HDB	15	75	8	4.5	8	10	0.08	0.08	1.1	3	2UH
0 - 80	0 - 19	DSP-080-019HDB	15	57	10	3.9	10	8.8	0.15	0.15	1.2	4	2UH
0 - 100	0 - 15	DSP-100-015HDB	15	45	12	3.5	12	8	0.15	0.15	1.5	5	2UH
0 - 150	0 - 10	DSP-150-010HDB	24	45	12	3.5	12	8	0.15	0.15	2	5	2UH
0 - 300	0 - 5	DSP-300-005HDB	38	25	32	2.5	32	6	0.15	0.15	3	5	2UH
0 - 350	0 - 4.2	DSP-350-04.2HDB	38	25	32	2.5	32	6	0.15	0.15	3	5	2UH
0 - 600	0 - 2.5	DSP-600-02.5HDB	113	15	62	2.26	62	5.5	0.25	0.3	4	5	2UH

### DSP-HD 2U 3000W Series

Output		Model	Ripple		Line regulation		Load regulation		Response time(S)			Remote Sense (V)	Size
CV	CC		CV	CC	CV	CC	CV	CC	Full Load	Full Load	No Load		
V	A		mV	mA	0.05%	0.1%	0.05%	0.1%	UP	Down	Down		
			rms	rms	+mV	+mA	+mV	+mA					
0 - 6	0 - 400	DSP-006-400HD	23	1000	2.8	42	6.2	85	0.08	0.02	0.5	1	2U
0 - 8	0 - 360	DSP-008-360HD	23	1000	2.8	42	6.2	85	0.08	0.02	0.5	1	2U
0 - 12.5	0 - 240	DSP-012.5-240HD	23	800	3.2	29	7.1	60	0.08	0.1	0.8	1	2U
0 - 20	0 - 150	DSP-020-150HD	23	600	4	18.5	8	38	0.08	0.1	0.8	1	2U
0 - 30	0 - 100	DSP-030-100HD	23	310	5	13	9.5	27	0.08	0.16	0.9	1.5	2U
0 - 40	0 - 76	DSP-040-076HD	23	250	6	10.5	11	22	0.08	0.16	1	2	2U
0 - 50	0 - 60	DSP-050-060HD	23	200	7	9	13	19	0.08	0.16	1.1	2	2U
0 - 60	0 - 50	DSP-060-050HD	23	150	8	7.5	14	16	0.08	0.16	1.1	3	2U
0 - 80	0 - 38	DSP-080-038HD	23	110	10	6.2	17	13.4	0.15	0.3	1.2	4	2U
0 - 100	0 - 30	DSP-100-030HD	23	90	12	5.3	20	11.6	0.15	0.3	1.5	5	2U
0 - 150	0 - 20	DSP-150-020HD	36	90	17	4.2	27.5	9.4	0.15	0.3	2	5	2U
0 - 300	0 - 10	DSP-300-010HD	57	50	32	3.1	50	7.2	0.15	0.3	3.5	5	2U
0 - 350	0 - 8.4	DSP-350-08.4HD	57	50	32	3.1	50	7.2	0.15	0.3	3.5	5	2U
0 - 600	0 - 5	DSP-600-005HD	170	30	62	2.55	95	6.1	0.25	0.5	4	5	2U

### DSP-HR 1UH 750W Series

Output		Model	Ripple		Line regulation		Load regulation		Response time(S)			Remote Sense (V)	Size
CV	CC		CV	CC	CV	CC	CV	CC	Full Load	Full Load	No Load		
V	A		mV	mA	0.05%	0.1%	0.05%	0.1%	UP	Down	Down		
			rms	rms	+mV	+mA	+mV	+mA					
0 - 6	0 - 100	DSP-006-100HR	10	180	2.8	11	2.8	23	0.08	0.05	0.6	1	1UH
0 - 8	0 - 90	DSP-008-090HR	10	180	2.8	11	2.8	23	0.08	0.05	0.6	1	1UH
0 - 12.5	0 - 60	DSP-012.5-060HR	10	120	4	8.5	4	18	0.08	0.05	0.8	1	1UH
0 - 20	0 - 38	DSP-020-038HR	10	76	4	5.8	4	12.6	0.08	0.05	0.8	1	1UH
0 - 30	0 - 25	DSP-030-025HR	10	63	5	4.5	5	10	0.08	0.08	0.9	1.5	1UH
0 - 40	0 - 19	DSP-040-019HR	10	48	6	3.9	6	8.8	0.08	0.08	1	2	1UH
0 - 50	0 - 15	DSP-050-015HR	10	43	8	3.6	8	8.2	0.08	0.08	1.1	2	1UH
0 - 60	0 - 12.5	DSP-060-012.5HR	10	38	8	3.25	8	7.5	0.08	0.08	1.1	3	1UH
0 - 80	0 - 9.5	DSP-080-09.5HR	10	29	10	2.95	10	6.9	0.15	0.15	1.2	4	1UH
0 - 100	0 - 7.5	DSP-100-07.5HR	10	23	12	2.75	12	6.5	0.15	0.15	1.5	5	1UH
0 - 150	0 - 5	DSP-150-005HR	16	18	17	2.5	17	6	0.15	0.15	2	5	1UH
0 - 300	0 - 2.5	DSP-300-02.5HR	25	13	32	2.25	32	5.5	0.15	0.15	3	5	1UH
0 - 350	0 - 2.1	DSP-350-02.1HR	25	13	32	2.25	32	5.5	0.15	0.15	3	5	1UH
0 - 600	0 - 1.25	DSP-600-01.25HR	75	8	62	2.13	62	5.26	0.25	0.3	4	5	1UH

### DSP-HR 1U 1500W Series

Output		Model	Ripple		Line regulation		Load regulation		Response time(S)			Remote Sense (V)	Size
CV	CC		CV	CC	CV	CC	CV	CC	Full Load	Full Load	No Load		
V	A		mV	mA	0.05%	0.1%	0.05%	0.1%	UP	Down	Down		
			rms	rms	+mV	+mA	+mV	+mA					
0 - 6	0 - 200	DSP-006-200HR	15	360	2.8	18.5	2.8	38	0.08	0.05	0.6	1	1U
0 - 8	0 - 180	DSP-008-180HR	15	360	2.8	18.5	2.8	38	0.08	0.05	0.6	1	1U
0 - 12.5	0 - 120	DSP-012.5-120HR	15	248	3.4	14.5	4	28	0.08	0.05	0.8	1	1U
0 - 20	0 - 76	DSP-020-076HR	15	152	4	9.6	4	20.2	0.08	0.05	0.8	1	1U
0 - 30	0 - 50	DSP-030-050HR	15	125	5	7	5	15	0.08	0.08	0.9	1.5	1U
0 - 40	0 - 38	DSP-040-038HR	15	95	6	5.8	6	12.6	0.08	0.08	1	2	1U
0 - 50	0 - 30	DSP-050-030HR	15	85	7	5.2	7	11.4	0.08	0.08	1.1	2	1U
0 - 60	0 - 25	DSP-060-025HR	15	75	8	4.5	8	10	0.08	0.08	1.1	3	1U
0 - 80	0 - 19	DSP-080-019HR	15	57	10	3.9	10	8.8	0.15	0.15	1.2	4	1U
0 - 100	0 - 15	DSP-100-015HR	15	45	12	3.5	12	8	0.15	0.15	1.5	5	1U
0 - 150	0 - 10	DSP-150-010HR	24	45	12	3.5	12	8	0.15	0.15	2	5	1U
0 - 300	0 - 5	DSP-300-005HR	38	25	32	2.5	32	6	0.15	0.15	3	5	1U
0 - 350	0 - 4.2	DSP-350-04.2HR	38	25	32	2.5	32	6	0.15	0.15	3	5	1U
0 - 600	0 - 2.5	DSP-600-02.5HR	113	15	62	2.26	62	5.5	0.25	0.3	4	5	1U

**Specification :**

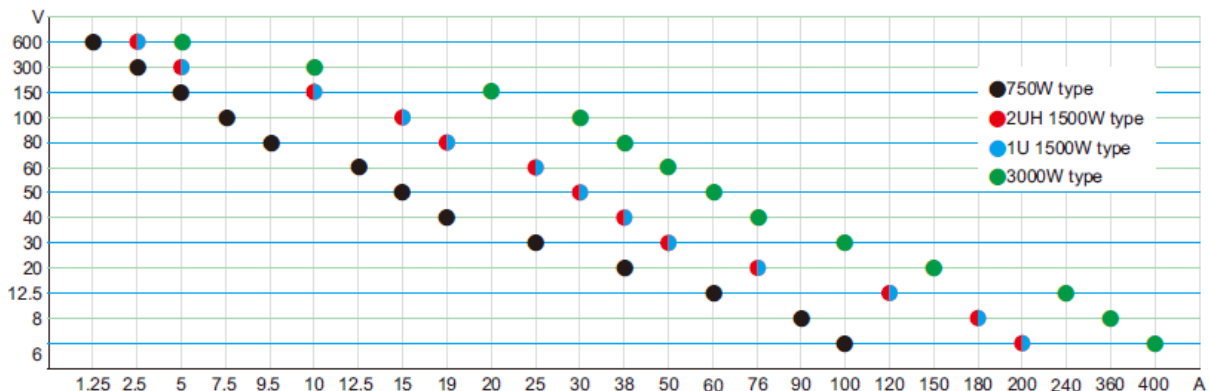
**DSP-HRB 2UH 1500W Series**

Output		Model	Ripple		Line regulation		Load regulation		Response time(S)			Remote Sense (V)	Size
CV	CC		CV	CC	CV	CC	CV	CC	Full Load	Full Load	No Load		
V	A		mV rms	mA rms	0.05% +mV	0.1% +mA	0.05% +mV	0.1% +mA	UP	Down	Down		
0 - 6	0 - 200	DSP-006-200HRB	15	360	2.8	18.5	2.8	38	0.08	0.05	0.6	1	2UH
0 - 8	0 - 180	DSP-008-180HRB	15	360	2.8	18.5	2.8	38	0.08	0.05	0.6	1	2UH
0 - 12.5	0 - 120	DSP-012.5-120HRB	15	248	3.4	14.5	4	28	0.08	0.05	0.8	1	2UH
0 - 20	0 - 76	DSP-020-076HRB	15	152	4	9.6	4	20.2	0.08	0.05	0.8	1	2UH
0 - 30	0 - 50	DSP-030-050HRB	15	125	5	7	5	15	0.08	0.08	0.9	1.5	2UH
0 - 40	0 - 38	DSP-040-038HRB	15	95	6	5.8	6	12.6	0.08	0.08	1	2	2UH
0 - 50	0 - 30	DSP-050-030HRB	15	85	7	5.2	7	11.4	0.08	0.08	1.1	2	2UH
0 - 60	0 - 25	DSP-060-025HRB	15	75	8	4.5	8	10	0.08	0.08	1.1	3	2UH
0 - 80	0 - 19	DSP-080-019HRB	15	57	10	3.9	10	8.8	0.15	0.15	1.2	4	2UH
0 - 100	0 - 15	DSP-100-015HRB	15	45	12	3.5	12	8	0.15	0.15	1.5	5	2UH
0 - 150	0 - 10	DSP-150-010HRB	24	45	12	3.5	12	8	0.15	0.15	2	5	2UH
0 - 300	0 - 5	DSP-300-005HRB	38	25	32	2.5	32	6	0.15	0.15	3	5	2UH
0 - 350	0 - 4.2	DSP-350-04.2HRB	38	25	32	2.5	32	6	0.15	0.15	3	5	2UH
0 - 600	0 - 2.5	DSP-600-02.5HRB	113	15	62	2.26	62	5.5	0.25	0.3	4	5	2UH

**DSP-HR 2U 3000W Series**

Output		Model	Ripple		Line regulation		Load regulation		Response time(S)			Remote Sense (V)	Size
CV	CC		CV	CC	CV	CC	CV	CC	Full Load	Full Load	No Load		
V	A		mV rms	mA rms	0.05% +mV	0.1% +mA	0.05% +mV	0.1% +mA	UP	Down	Down		
0 - 6	0 - 400	DSP-006-400HR	23	1000	2.8	42	6.2	85	0.08	0.02	0.5	1	2U
0 - 8	0 - 360	DSP-008-360HR	23	1000	2.8	42	6.2	85	0.08	0.02	0.5	1	2U
0 - 12.5	0 - 240	DSP-012.5-240HR	23	800	3.2	29	7.1	60	0.08	0.1	0.8	1	2U
0 - 20	0 - 150	DSP-020-150HR	23	600	4	18.5	8	38	0.08	0.1	0.8	1	2U
0 - 30	0 - 100	DSP-030-100HR	23	310	5	13	9.5	27	0.08	0.16	0.9	1.5	2U
0 - 40	0 - 76	DSP-040-076HR	23	250	6	10.5	11	22	0.08	0.16	1	2	2U
0 - 50	0 - 60	DSP-050-060HR	23	200	7	9	13	19	0.08	0.16	1.1	2	2U
0 - 60	0 - 50	DSP-060-050HR	23	150	8	7.5	14	16	0.08	0.16	1.1	3	2U
0 - 80	0 - 38	DSP-080-038HR	23	110	10	6.2	17	13.4	0.15	0.3	1.2	4	2U
0 - 100	0 - 30	DSP-100-030HR	23	90	12	5.3	20	11.6	0.15	0.3	1.5	5	2U
0 - 150	0 - 20	DSP-150-020HR	36	90	17	4.2	27.5	9.4	0.15	0.3	2	5	2U
0 - 300	0 - 10	DSP-300-010HR	57	50	32	3.1	50	7.2	0.15	0.3	3.5	5	2U
0 - 350	0 - 8.4	DSP-350-08.4HR	57	50	32	3.1	50	7.2	0.15	0.3	3.5	5	2U
0 - 600	0 - 5	DSP-600-005HR	170	30	62	2.55	95	6.1	0.25	0.5	4	5	2U

**Models reference chart**



Panel setting resolution	DSP-HR : 5 digits ; DSP-HD : 4 digits
Panel display resolution	DSP-HR : 5 digits ; DSP-HD : 4 digits
Panel setting accuracy	Voltage : $\pm 0.1\% \pm 3C$ at rated voltage Current : $\pm 0.5\% \pm 3C$ at rated current
Panel display accuracy	Voltage : $\pm 0.2\% \pm 3C$ at rated voltage Current : $\pm 0.5\% \pm 3C$ at rated current.
Command setting resolution	$\pm 0.002\%$ of full scale
Command reading resolution	$\pm 0.002\%$ of full scale
Command & DA setting accuracy	Voltage: $\pm 0.1\% \pm 3C$ at rated voltage Current: $\pm 0.5\% \pm 3C$ at rated current
Command & AD Measurement accuracy	Voltage: $\pm 0.2\% \pm 2C$ at rated voltage (Average Measurement) Current: $\pm 0.5\% \pm 3C$ at rated current (Average Measurement)
Analog setting accuracy(V)	Constant Voltage mode(CV) : Voltage $\pm 5\%$ ; Current $\pm 5\%$ Constant Current mode(CC) : Voltage $\pm 5\%$ ; Current $\pm 5\%$
Analog monitor accuracy(V)	Rated voltage output : $10.00V \pm 0.25V$ ; Zero voltage output : $0.00V \pm 0.25V$ Rated current output : $10.00V \pm 0.25V$ ; Zero current output : $0.00V \pm 0.25V$
CV Temp. Coefficient	100ppm/ $^{\circ}C$ of rated output voltage, after 30 minutes warm-up
CC Temperature drift	0.05% of rated Vout over 8hrs interval following 30 minutes warm-up. Constant line, load & temp.
Protective functions	Programmable over voltage protection(POVP), Programmable over current protection(POCP), Over temperature protection(OTP), Fuse blown protection
Command response time	$\leq 20ms$ (After received) (Note 2)
Transient response time	Constant voltage mode : 20V and under $\leq 1.5ms$ ; 30V~100V $\leq 1ms$ ; 150V~600V $\leq 2ms$ ;
Output ramp up time	0.1~99.9 sec.
Output ramp down time	0.1~99.9 sec. (Note 3)
Input voltage	750W / 1500W type : 100~240Vac, 50/60Hz 3000W type : Max. 190~240Vac, 50/60Hz
Input current (Full load)	750W type : 115Vac - 8.1A ; 230Vac - 4.1A 1500W type : 115Vac - 16.2A ; 230Vac - 8.1A 3000W type : 230Vac - 15.6A
Inrush current	750W type : 230Vac - 12.5A 1500W type : 230Vac - 25A 3000W type : 230Vac - 50A
Efficiency	750W type : 76% - 87% ; 1500W type : 77% - 88% ; 3000W type : 82% - 88%
Power Factor (PF)	0.99 (at 115Vac, rated output)
Withstand voltage	Input-Output - AC2000V:1 minute Input-Ground - AC2000V:1 minute
Output polarity	positive (+) or negative (-) connect to Ground
Cooling	Forced air by speed controlled fan
Noise	50 ~ 70 dB(A)(Different by type and load)
Weight	1UH type : approx 5.1 kg 1U type : approx 9.0 kg 2UH type : approx 8.2 kg 2U type : approx 15.1 kg
Operating environment	Temperature : 0~40 $^{\circ}C$ ; Humidity : 30%~90% RH(no condensation)
Store environment	Temperature : -20~70 $^{\circ}C$ ; Humidity : 10%~90% RH(no condensation)
EMI and Safety Certifications	CE Mark- full compliance with LVD and EMC directives

Note 1 : All specifications are subject to change without notice.

Note 2 : Programming time = Command response time + Output response time, The output response time is differ according to different models, from 40ms ~ 200ms.

Note 3 : Actual ramp down time will be different in different models.



**Front Panel Description**

1UH Series



1U Series



2UH Series

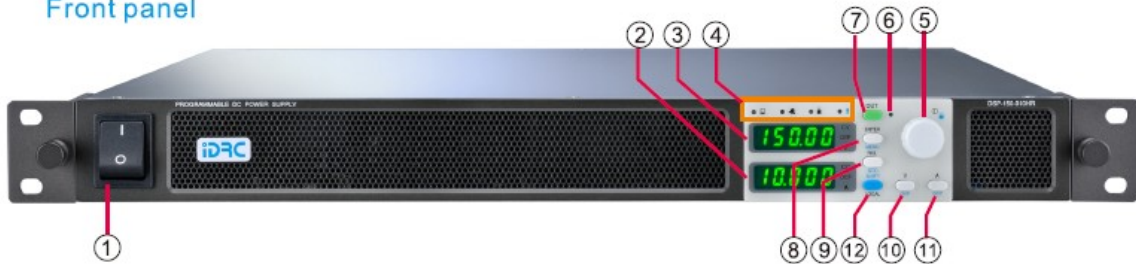


2U Series

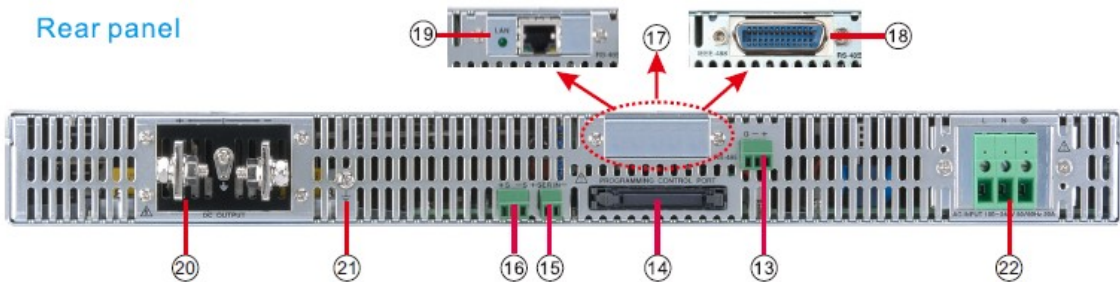


**Front Panel and Rear Panel Description :**

**Front panel**



**Rear panel**



**Front Panel Function Description**

- |                                  |                                    |
|----------------------------------|------------------------------------|
| 1. Power switch                  | 9. RCL & STO bifunctional key      |
| 2. Current display               | 10. V set & OVP bifunctional key   |
| 3. Voltage display               | 11. A set & OCP bifunctional key   |
| 4. Operation status indicators   | 12. SHIFT & LOCAL bifunctional key |
| 5. Encoder                       |                                    |
| 6. Output ON/OFF indicator       |                                    |
| 7. Output ON/OFF key             |                                    |
| 8. ENTER & MENU bifunctional key |                                    |

**Rear Panel Function Description**

- |   |
|---|
| 13. RS-485 interface                        |
| 14. Analog Programming interface            |
| 15. Analog programming auxiliary interface  |
| 16. Remote sense terminal                   |
| 17. Blank (DSP-HD Std.)                     |
| 18. IEEE 488 (GPIB) interface (DSP-HR Std.) |
| 19. LAN (LXI) interface (Optional)          |
| 20. output terminals (Note 3)               |
| 21. Grounding terminal                      |
| 22. AC input                                |

Note 3 : Different output terminals depend on different capacities.

**Rear Panel :**

1UH Series  
6V~100V



1UH Series  
150V ~ 600V



2UH Series  
6V~100V



2UH Series  
150V ~ 600V



1U Series  
6V~100V



1U Series  
150V ~ 600V



2U Series  
6V~100V



2U Series  
150V ~ 600V



**Dimensions : (mm)**

The sizes in below table not including the encoder, handles, connectors...etc.

Unit	1UH	1U	2UH	2U
W	215	430	215	430
H	44.5	44.5	89	89
D	470	470	470	470

