

30W 1~3 Output M1 Series

- Compact size, high reliability
- Built-in EMI filter
- 100% full load burn-in test
- 5 years limited warranty
- V1 is isolated from the other outputs
- Protections: overload/ short circuit
- F602 111 x 78 x 36(mm)



HF30W-SM



HF30W-DM, TM

AC input voltage range	170~264VAC (210~370VDC)
Input frequency	47~63Hz
Inrush current	cold start, 40A/230V
Input leakage current	< 0.7mA/ 230VAC
Line regulation (full load)	≤ ± 0.5%
Load regulation	V ₁ : ≤ ± 1% V ₂ , V ₃ : ≤ ± 10%
Output voltage adjust range	single output: ± 10%, multi-output: V ₁ : ± 5%
Output overload protection	105~150%, hiccup mode, auto recovery
Withstand voltage	I/P -O/P: 1.5KVAC/1min I/P -F/G: 1.5KVAC/1min O/P-F/G: 0.5KVAC/1min
Rise time	50ms@full load (typical)
Hold up time	20ms@full load (typical)
Operating temperature	-20°C~+50°C
Safety standards	design meet GB4943, UL60950, EN60950
EMC standards	design meet GB9254, EN55022 classA EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11
Cooling method	convection

Single Output

Model	DC Output		Load regul.	R&N	Efficiency
HF30W-SM-5	5V	6.0A	0.5%	80mV	76%
HF30W-SM-12	12V	3.0A	0.5%	120mV	83%
HF30W-SM-15	15V	2.4A	0.5%	120mV	83%
HF30W-SM-24	24V	1.5A	0.5%	150mV	84%
HF30W-SM-48	48V	0.7A	0.5%	150mV	86%

* 3~48VDC output all available.

Dual Output

Model	DC Output		R&N	Efficiency
HF30W-DM-A	5V	0.5~4.0A	80mV	70%
	12V	0.1~1.5A	120mV	
HF30W-DM-B	5V	0.5~4.0A	80mV	70%
	24V	0.1~1.0A	150mV	
HF30W-DM-C	12V	0.2~2.0A	120mV	72%
	-12V	0.1~1.5A	120mV	
HF30W-DM-D	5V	0.5~5.0A	80mV	67%
	5V	0.3~1.5A	100mV	

Triple Output

Model	DC Output		R&N	Efficiency
HF30W-TM-A	5V	0.5~3.5A	80mV	70%
	12V	0.1~1.2A	120mV	
	-12V	0.1~0.7A	120mV	
HF30W-TM-B	5V	0.5~3.5A	80mV	70%
	15V	0.1~0.8A	120mV	
	-15V	0.1~0.5A	120mV	
HF30W-TM-C	5V	0.5~3.5A	80mV	67%
	12V	0.1~1.2A	120mV	
	-5V	0.2~1.0A	100mV	

Drawing

