

Decoding of Power Supply Characteristics and Parameters

The name of the power supply model contains the following designations to encode its characteristics and parameters:

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
V A 30 - A35 - 084V - 2 B 2 - IP54

No.	Characteristic	Characteristic code	Nominal value (tolerance range)			
①	Series	A	Current source			
		B	Voltage source			
		C	Current source with thermal compensation			
②	Output power	Numeric value of output power in Watts, as per example:				
		30	30W ± 10%			
③	Nominal output current (current source), maximum load current (voltage source)	Numeric value of current in milliamperes, as per example:				
		A35	350 mA ±5%			
④	Maximum output voltage (current source), nominal output voltage (voltage source)	Numeric value of output voltage in Volts, as per example:				
		084V	84V			
⑤	Output ripple		for current sources	for voltage sources		
		1	≤ 1%	≤ 50 mV		
		2	≤ 2%	≤ 100 mV		
		3	≤ 3%	≤ 150 mV		
		4	≤ 4%	≤ 200 mV		
		5	≤ 5%	≤ 250 mV		
		6	≤ 10%	≤ 300 mV		
		7	≤ 20%	≤ 400 mV		
		8	≤ 30%	≤ 500 mV		
9	not specified	not specified				
⑥	Power factor	9	≥ 0.99			
		8	≥ 0.98			
		7	≥ 0.97			
		6	≥ 0.96			
		5	≥ 0.95			
		4	≥ 0.94			
		3	≥ 0.93			
		2	≥ 0.92			
		1	≥ 0.91			
		B	≥ 0.90			
		C	≥ 0.8			
H	not specified					
⑦	- presence of galvanic isolation, - presence of overheating protection, - presence of grounding connection, - nominal AC input voltage	Presence of galvanic isolation		Presence of overheating protection	Presence of grounding	Nominal voltage
		+	-			
		1	A	-	-	220 V (230 V), 50/60 Hz
		2	B	-	+	220 V (230 V), 50/60 Hz
		3	C	+	-	220 V (230 V), 50/60 Hz
		4	E	+	+	220 V (230 V), 50/60 Hz
		5	H	-	-	120 V, 60 Hz
		6	K	-	+	120 V, 60 Hz
7	M	+	-	120 V, 60 Hz		
8	P	+	+	120 V, 60 Hz		
⑧	Ingress protection code	Numeric ingress protection (IP) rating, as per example:				
		IP54	IP54			

Drivers are manufactured in compliance with customer technical specifications.

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