

DDRH-15/30/45 Series

15W/30W/45W Ultra-Wide 150~1500 VDC Input DC-DC Converter

Product Strategy Center/Frank Chen

Following the 60~300W DDRH-60/120/240, RSDH-150/300 and other series (details in the table below),

Now we are launching a new ultra-wide 150~1500 Vdc high voltage input DC-DC small wattage converter: DDRH-15/30/45 series.

The key features of DDRH-15/30/45 series include: Multi-installation selectable (PCB Mounting Type, Screw Terminal Type, DIN Rail Type), 150~1500 Vdc ultra-wide voltage input, -40~+80°C wide temperature operation, 4K Vac high isolation input/output protection, suitable for high altitude up to 5,000 meters, passed IEC62109-1 photovoltaic certification; it can be widely used in photovoltaics, energy storage, charging piles or any HV-LV conversion related equipment and systems.

DC-DC Converter Selection Guid for PV, Energy Storage Applications

Mounting Style	Series	Main Specification							
		Watt (W)	Input voltage (Vdc)	Output voltage (Vdc)	Operating Temp.	Parallel	Safety	Dimension (L x W x H)	
PCB Mount Type 	NEW DDRH-15	15W	150~1500Vdc	5V / 12V / 15V / 24V	-40~+80°C	X	EAC/CE/UKCA (IEC62109-1)	PCB Mount (P Type) : 76.2*50.8*25mm Screw Terminal(ST Type): 122.3*57.3*32mm DIN Rail (DR Type): 122.3*57.3*43.5mm	
		30W		12V / 15V / 24V / 48V		X			
		45W				X			
DIN Rail Type 	DDRH-60	60W	150~1500Vdc	5V / 12V / 24V / 48V	-30~+80°C	X	EAC/CE/UKCA (IEC62109-1)	57*93.5*105 mm	
	DDRH-120	120W	250~1500Vdc	12V / 24V / 32V / 48V	-40~ +80°C	X	CB/DEKRA/ EAC/CE/UKCA (IEC/EN62109-1)	63*125.2*115mm	
	DDRH-240	240W				V (960W)		85.5*125.2*129.2 mm	
Enclosed Type 	RSDH-150	150W				X		191*86*41mm	
	RSDH-300	300W				X		237*100*41mm	

Features

- Dimensions (L x D x H):

Model Series	P-Type	ST-Type	DR-Type
DDRH-15	76.2*50.8*25 mm	122.3*57.3*32 mm	122.3*57.3*43.5 mm
DDRH-30/45	89*63.5*25 mm	135*70*32 mm	135*70*43.5 mm

- Multi-installation selectable: PCB Mounting, Screw Terminal, DIN Rail
- 150~1500 Vdc ultra-wide input voltage
- 4K Vac I/O isolation
- Free air convection; can be applied to various installation occasions while operating between
- 40~+80°C (Derating when > +50°C)
- Protections
 - Input: Undervoltage, Reverse Polarity (No Damage)
 - Output: Short Circuit, Overload, Over Voltage
- Approvals: CE/UKCA (IEC 62109-1), EAC
- 3 years warranty