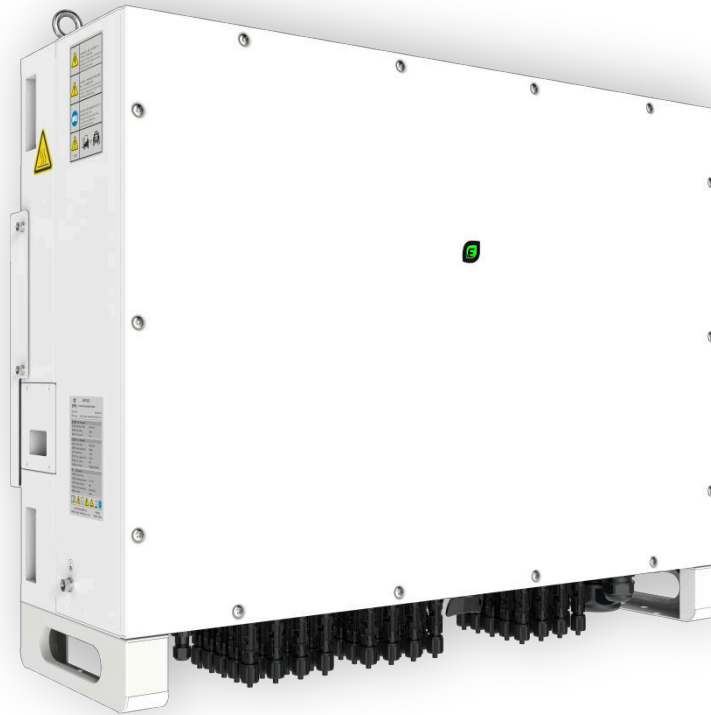


# EDCS320-M-HHS DC-DC



## Key Features

### Intelligent Collaboration

- Supports cloud platform, local web access, remote upgrade
- MPPT and BMS linkage, three-stage battery charging management

### Economical and User-Friendly

- 30 inputs, adaptable to different capacity ratio designs, improves power generation efficiency
- Single-stage PV DC coupling, solves curtailment issues, max efficiency >99%

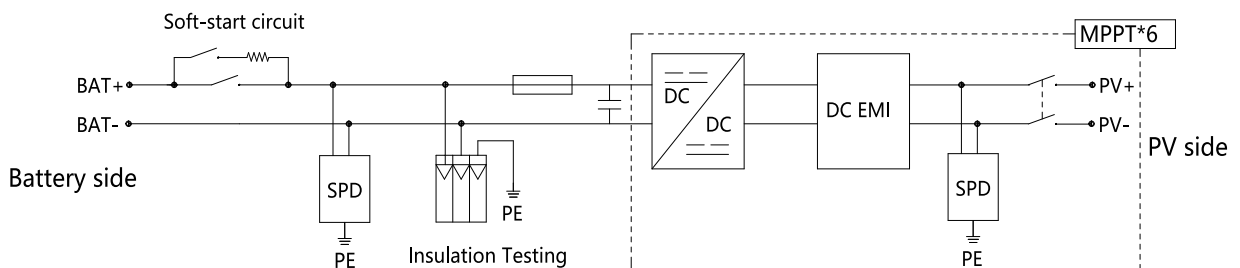
### Safe and Reliable

- IP66 protection rating, strong environmental adaptability
- Insulation detection, arc fault detection

### High Efficiency and Flexible

- Supports 6 MPPTs, each MPPT... 75A
- No derating at 50°C ambient temperature, increases energy yield

## Circuit Schematic



## Technical Parameters

Specifications	EDCS320-M-HHS
<b>Input (PV side)</b>	
Input Voltage Range	500~1500V
Rated Input Voltage	1080V
Number of MPPT Tracks	6
Max Input Strings per MPPT Track	5
Maximum Input Current	6*75A
Maximum Input Short-Circuit Current	6*125A
<b>Output (PV Side)</b>	
Rated Output Power	320kW
Maximum Output Power	352kW
Maximum Output Current	300A
Output Voltage	1000V ~ 1500V
Static Voltage Regulation	±1%
Dynamic Voltage Regulation	±5%
<b>Machine parameters</b>	
Maximum Efficiency	99%
Protection Function	Fuse protection, overcurrent protection, overtemperature protection, LV side under/over voltage protection, HV side under/over voltage protection, overpower protection, reverse connection protection, surge protection, insulation detection protection, arc fault detection protection, temperature derating output, etc.
Dimensions (W × H × D)	850 × 750 × 300 mm (to be determined)
Weight	<95kg
Mounting	Wall/Pole Mounted
AFCI Function	Optional
Altitude	4000m (derated when >2000m)
Operating Temperature	-30°C~60°C (use derating when greater than 50°C)
Humidity	0~95%
Cooling method	Intelligent forced air cooling
Protection level	IP66
Display	LED
Communication method	RS485/CAN/Ethernet
PV Terminal Type	Photovoltaic MC4 terminal
Battery Terminal Type	OT/DT crimp terminal (max. 240mm <sup>2</sup> )
Compliance Standards	IEC 62109-1, IEC 62109-2, GB/T 37408-2019

\*Product specifications are updated periodically without prior notice.