WAYTON
ENERGY TECH CO., LTD

SER 40kW Series

Power Module

Everything about profitability and charging experience



Specifications

40kW AC/DC Power Module		
Environmental conditions	Operating temperature	-40~+75°C derating work above 55°C derating
	cooling method	Air cooled
	Altitude	⩽2000m
	Atmospheric pressure	86kPa~106kPa
	Input system	Three phase + PE
Three-phase AC input	Input rated voltage	380Vac 480Vac
	Input voltage range	285~525Vac
	Maximum current	⩽80A
	Input frequency	45~65Hz
	Input surge current	≤150% rated input current
DC output	Output voltage range	50-1000Vdc

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	Output current range	0-133.3A (rated 380/480V input) 0-76.67A (rated 200V input)
	Output Power	40kW@380Vac@480Vac
	Voltage regulation accuracy	≤±0.5%
	Steady current accuracy	≤±1%
	Output voltage ripple factor	≤1%
Features & Performance	Power Factor	≥0.99 @full load output power, nominal input voltage and frequency
	Peak Efficiency	≥97% @ maximum operating point (rated 380/480V input)
	THDi	≤5%
	Standby power consumption	≤0.05% of rated power output
	Current imbalance	≤±3%
	Size	W (360mm) *D (459mm) *H(85mm)
	Weight	≤19kg
	Protection class	IP20
Communication & Control	Communication	CAN BUS
Certification		CE, UL, KC

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