



Specifications

Price (US\$ FOB China)	Markets	Product Name	Issue
	Asia / Africa / Oceania / Americas	HESS - Town™ 20x5 New Launch	01/20/2025

	<p>Features</p> <p>Product Features Integrated design, modular assembly, IP65 protection level Easy to expand, easy to expand, power support 5kWh~20kWh Easy to install, save installation time and cost Support PV, mains and battery access at the same time Supports on/off-grid function Support landing, wall installation, small footprint Support RS485/CAN communication interface Support remote monitoring and operation and maintenance Certification: EN 62109-1, EN 62109-2, UL1973, UN38.3, etc</p> <p>Application Scenarios Newly installed photovoltaic energy storage system scenario Off-grid power supply scenario in weak or no-power areas Temporary power supply or backup scenario</p>
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Property		
Property	Definition	Value
IP Grade	Ingress Protection (IP)	65
Warranty	Description	5 years ((two charges and discharges per day) or 6,000 times (under specified conditions in the specification))
Total Weight	Weight (Kg)	328
Packing	Description	Export Crate
System size [W/H/D] (mm)	Dimensions(mm)	1348*170*1610

HESS-Town 20x5 New Launch		
Property	Definition	Value
Battery Capacity	Charge Capacity (Ah)	100
Battery Rated Voltage	Rated Output Voltage DC (V)	51.2
Maximum charging voltage	Maximum Voltage (V)	57.6

Recommended Current	Charge Current DC (A)	50
Maximum discharging current	Charge Current DC (A)	100
Charging temperature	Temperature Range (℃)	0~45
Discharging temperature	Temperature Range (℃)	-20~60
Storage temperature	Temperature Range (℃)	-20~45
Work Environment	Working Humidity Range %	5~95%RH
Cooling mode	Description	Natural cooling
Communications	Description	CAN (communicates with inverter) /RS485
Cycle Life	Battery Cycle Life	≥6000 times (90% DOD, remaining 80%)
Battery Weight	Weight (Kg)	45
Battery dimension	Dimensions(mm)	442*470*154
Battery Storage Energy Capacity	Energy Capacity (kWh)	20.48 (5.12kWh*4)
Standard Discharge current	Charge Current DC (A)	200
Starting voltage	Voltage DC (V)	140
Rated voltage	Voltage DC (V)	360
Maximum input current	Charge Current DC (A)	13
Maximum short circuit current	Charge Current DC (A)	13.7
Max AC Charge Current (Battery)	Charge Current AC (A)	25
Rated AC Output Power	Rated Power (kW)	5
AC Output Voltage	Voltage AC (V)	230
Solar Panel (Optional)		
Property	Definition	Value
Peak Power	Peak Power (Wp)	550
Peak-Power Voltage	Voltage at PP (V)	41
Peak-Power Current	Current at PP (A)	13.45
Open-Circuit Voltage	Voltage at OL (V)	49.7
Short-Circuit Current	Current at CL (A)	14.03
Conversion Efficiency	Solar-Cell Efficiency	≥21.3%
Cell Type	Description	Monocrystalline
No. of Cells and Connection	Description	144PCS (2X6X12PCS)
Operating Temperature	Temperature Range (℃)	- 40°C±85°C
Max. System Voltage	Maximum Voltage (V)	1500

Size	Dimensions (L x W x H) (mm)	2278*1134*35
Weight	Weight (Kg)	28.3
Junction Box	Ingress Protection (IP)	IP68
Cables	Description	4mm ² wire
Solar Panel Rack (Optional)		
Property	Definition	Value
Center Column	Description	2pcs (Hot-dip Galvanized 41*41*2.0)
Rear Pillar	Description	2pcs (Hot-dip Galvanized 41*41*2.0)
Beams	Description	2pcs (Hot-dip Galvanized 41*41*2.0)
Inclined Beam	Description	2pcs (Hot-dip Galvanized 41*41*2.0)