

# iHouse 20ft 500/1000

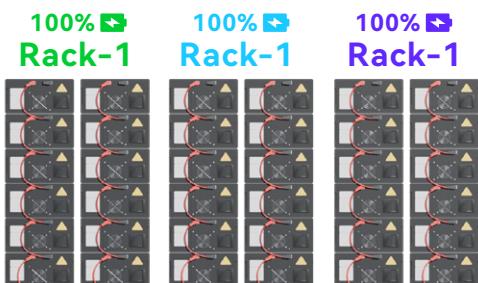
C&I CONTAINER ALL IN ONE ENERGY STORAGE SYSTEM



## DOWELL Smart String Energy Storage Solution

### Rack-level Optimization

Each RACK connects to a PCS, and controls charging and discharging independently to avoid bias current affecting the discharge amount.



### Smart Operation & Maintenance

Two smart operation screens (BMS and EMS) and smart cloud platform, ensuring refined management and visualize operation status.



### Automatic SOC calibration

The battery rack-level SOC is automatically calibrated without affecting the normal operation of the energy storage system.



### Support Pallet Transport

iHouse 20ft 500/1000 is a complete all-in-one BESS with PCS, battery, BMS, EMS—all pre-installed before delivery.



Product Model		iHouse 20ft 500/1000
DC side		
Cell	Type	LFP
	Rated Voltage	3.2V
	Cell Capacity	280Ah
Pack	Configuration	1P20S
	Rated Voltage	64V
	Voltage Range	56V~73V
	Pack Capacity	17920Wh
Rack	Cooling Method	Air-Cooling
	Rated Voltage	768V
	Voltage Range	672V~876V
	Rack Capacity	215.04kWh
AC side	Cooling Method	Air-Cooling
	Rated Output	525kW
	PCS Rated Voltage	AC230V/400V
	Voltage Range	-10%~+15%
	Rated Power	105kW
	Module Qty	5
	Frequency	50/60Hz
	Power Factor	0.99
	Power Factor Range	1 (lead) ~1 (lag)
	Overload Capacity	110% continuous, 120%/1min
AC Output Type		3W+PE / 3W+N+PE
System		
Operation Temperature Range	-20°C~40°C	
Relative Humidity	0~95% (non-condensing)	
System Voltage	AC230V/400V	
System Rated Capacity	1075kWh	
Measurement (L*W*H)	6058* 2438 * 2591 mm	
BMS Communication Interface	RS485, Ethernet	
BMS Communication Protocol	Modbus RTU, Modbus TCP	
Fire Fighting System	3-Level	
IP Rate	IP54	
Weight of Whole	about 16 tons	



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Dowell Technology Co., Ltd  
[www.dowellelectronic.eu](http://www.dowellelectronic.eu)  
[marketing@dowellelectronic.eu](mailto:marketing@dowellelectronic.eu)