

iHouse 20ft 500/1000

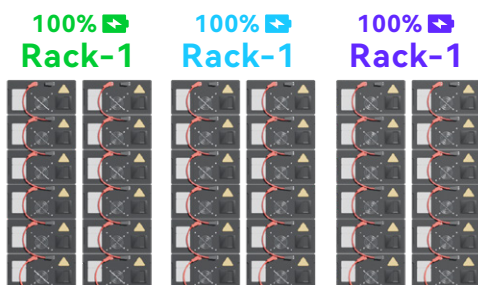
C&I CONTAINER ALL IN ONE ENERGY STORAGE SYSTEM



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.



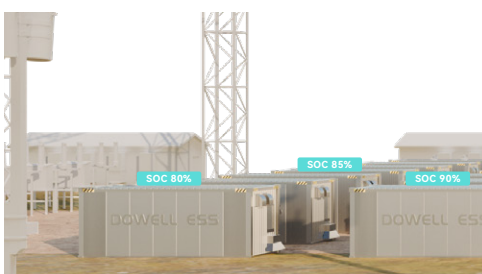
Smart Operation & Maintenance

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	
	Cooling Method	Air-Cooling	
Rack	Rated Voltage	768V	
	Voltage Range	672V~876V	
	Rack Capacity	215.04kWh	
	Cooling Method	Air-Cooling	
AC side			
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% continous, 120%/1min	
AC Output Type		3W+PE / 3W+N+PE	
System			
Operation Temperature Range		-20℃~40℃	
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	



DOWELL



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