

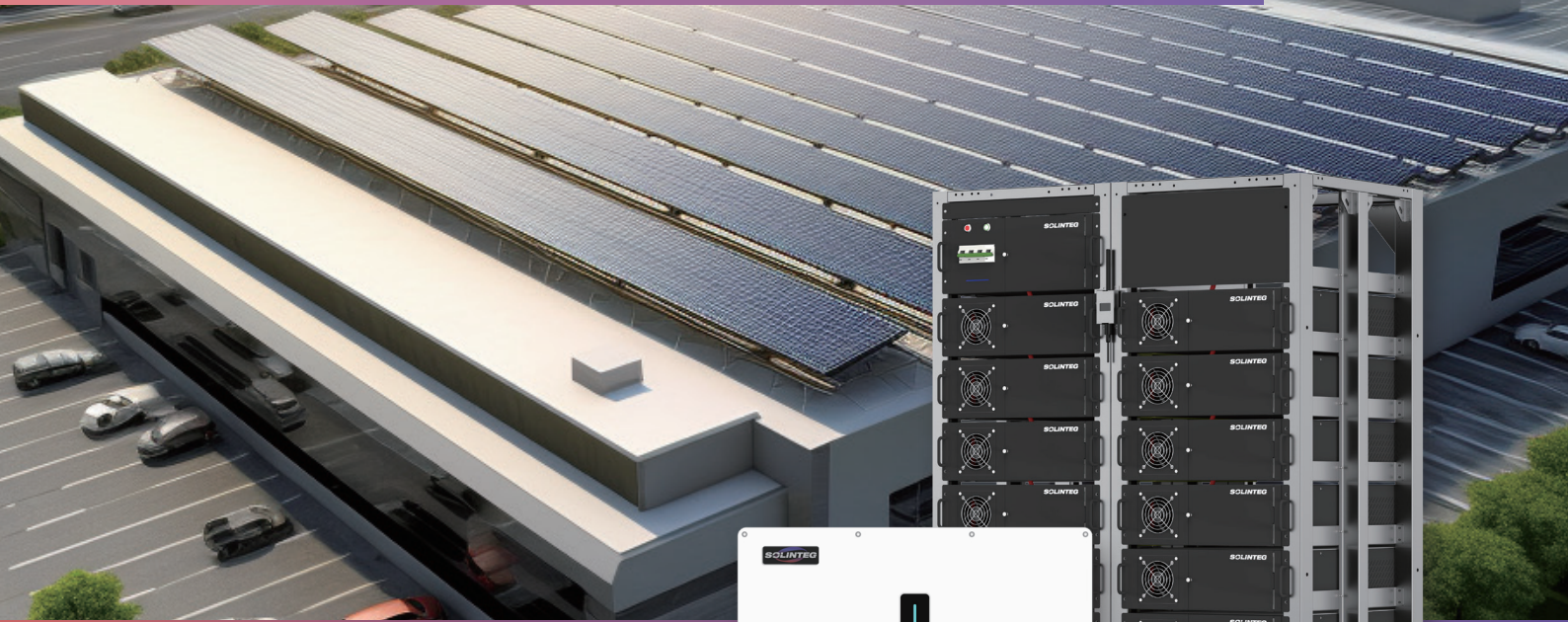


ParkOne

Commercial & Industrial Solar Storage System

Integ M Hybrid Inverter MHT-25/30/36/40/50K-100

Integ E Battery EBR-S32/37/42/48/53/59/64/69/75K



Maximized Energy Efficiency

Harmonized battery and inverter operations for enhanced energy capture and utilization.

Scalable Energy Solutions

Up to 10-unit parallel compatibility with Integ M inverters for diverse, expanding energy needs.

High Performance Integration

Advanced monitoring and management ensure long-term battery stability and inverter reliability.

Power Range 25-500kW
Storage Capacity 26.8-751.8kWh

Intelligent Centralized Control

Solinteg Cloud offers efficient oversight of the entire system for optimal energy usage.

Continuous System Excellence

Regular firmware updates and remote service maintain peak system performance.

Integ M 25-50kW Hybrid Inverter

Model		MHT-25K-100	MHT-30K-100	MHT-36K-100	MHT-40K-100	MHT-50K-100
PV Input						
Recommended Max. Input Power	[kW]	37.5	45.0	54.0	60.0	75.0
Start-Up Voltage	[V]	135	135	135	135	135
Max. DC Input Voltage*	[V]	1000*	1000*	1000*	1000*	1000*
Rated DC Input Voltage	[V]	620	620	620	620	620
MPPT Voltage Range*	[V]	200-850*	200-850*	200-850*	200-850*	200-850*
No. of MPP Trackers		4	4	4	4	4
No. of DC Inputs Per MPPT		2	2	2	2	2
Max. Input Current	[A]	30×4	30×4	30×4	30×4	30×4
Max. Short-Circuit Current	[A]	40×4	40×4	40×4	40×4	40×4
Battery Side						
Battery Type		Lithium Battery (with BMS)				
Battery Voltage Range	[V]	135-750				
Maximum Charging/Discharge Current	[A]	100/100				
Grid Side						
Rated Output Power	[kW]	25.0	30.0	36.0	40.0	50.0
Max. Output Apparent Power	[kVA]	27.5	33.0 ¹⁾	39.6	44.0	55.0
Max. Input Apparent Power**	[kVA]	30.0	36.0	43.5	48.0	60.0
Max. Charging Power of Battery	[kW]	25.0	30.0	36.0	40.0	50.0
Rated AC Voltage		3L/N/PE; 220/380V,230/400V,240/415V				
Rated AC Frequency	[Hz]	50/60	50/60	50/60	50/60	50/60
Max. Output Current	[A]	42.0	50.0 ²⁾	60.0	66.0	83.0
Power Factor		0.8 Leading ...0.8 Lagging				
Max. Total Harmonic Distortion		<3% @Rated Output Power				
DCI		<0.5%In	<0.5%In	<0.5%In	<0.5%In	<0.5%In
Back-Up Side						
Rated Output Power	[kW]	25.0	30.0	36.0	40.0	50.0
Max. Output Apparent Power	[kVA]	27.5	33.0	39.6	44.0	55.0
Max. Output Current	[A]	42.0	50.0	60.0	66.0	83.0
UPS Switching Time		<20ms	<20ms	<20ms	<20ms	<20ms
Rated Output Voltage		3L/N/PE; 220/380V,230/400V,240/415V				
Rated Output Frequency	[Hz]	50/60	50/60	50/60	50/60	50/60
Voltage Harmonic Distortion		<3% @Linear Load				
Generator Side						
Max. Input Apparent Power**	[kVA]	30.0	36.0	43.5	48.0	60.0
Max. Charging Power of Battery	[kW]	25.0	30.0	36.0	40.0	50.0
Rated AC Voltage		3L/N/PE; 220/380V,230/400V,240/415V				
Rated AC Frequency	[Hz]	50/60	50/60	50/60	50/60	50/60
Max. Input Current	[A]	43.5	52.2	63.0	69.6	87.0
Efficiency						
Max. Efficiency		98.8%	98.8%	98.8%	98.8%	98.8%
European Efficiency		98.3%	98.3%	98.3%	98.3%	98.3%

Protection			General Data		
DC Reverse Polarity Protection		Integrated	Over Voltage Category		PV: II Main: III
Battery Input Reverse Connection Protection		Integrated	Dimensions	[W×H×D mm]	800×620×300
Insulation Resistance Protection		Integrated	Weight	[KG]	72.0
Surge Protection		Integrated	Protection Degree		IP65
Over-Temperature Protection		Integrated	Standby Self-Consumption	[W]	<15
Residual Current Protection		Integrated	Topology		Transformerless
Islanding Protection		Integrated	Operating Temperature Range	[°C]	-30~60
AC Over-Voltage Protection		Integrated	Relative Humidity	[%]	0~100
Overload Protection		Integrated	Operating Altitude	[m]	3000 (>3000m Derating)
AC Short-Circuit Protection		Integrated	Cooling		Smart Fan
			Noise Level	[dB]	<50
			Display		OLED & LED
			Communication		CAN, RS485, WIFI/LAN (Optional)

* PV Max. Input voltage is 850V, otherwise inverter will be waiting;
** Max apparent power from the grid means the maximum power imported from the utility grid used to satisfy the backup loads and charge the battery;

1) AS 4777.2, VDE-AR-N 4105: 30.0kVA; 2) AS 4777.2, VDE-AR-N 4105: 43.5A

Integ E Racked Storage System

Storage System	EBR-S32K	EBR-S37K	EBR-S42K	EBR-S48K	EBR-S53K	EBR-S59K	EBR-S64K	EBR-S69K	EBR-S75K	General Information		
Module Number	6	7	8	9	10	11	12	13	14	Protection Degree	IP21	
Nominal Energy	[kWh]	32.22	37.59	42.96	48.33	53.70	59.07	64.44	69.81	Warranty	10 Years (Performance Warranty)*	
Usable Energy	[kWh]	29.00	33.83	38.66	43.50	48.33	53.16	58.00	62.83	Operation Temperature	[°C] 0-55 (Charge) / -10-55 (Discharge)	
Nominal Capacity	[Ah]	105									Relative Humidity	[%] 5-95 (No Condensation)
Nominal Voltage	[V]	307.2	358.4	409.6	460.8	512.0	563.2	614.4	665.6	Altitude	[m] 2000	
Min. Voltage	[V]	279.0	325.5	372.0	418.5	465.0	511.5	558.0	604.5	Battery Type	LiFePO4	
Max. Voltage	[V]	350.4	408.8	467.2	525.6	584.0	642.4	700.8	759.2	Module Connection	Series with Quick Connector	
Recommend Current	[A]	50 (Charge) / 50 (Discharge)									Battery Series Connection	5 ~ 14 with one Contorller
Max. Current	[A]	100 (Charge) / 100 (Discharge)									Parallel Connection	Max. 10 Clusters, with Parallel box and Combiner box (customer prepared)
Weight	[KG]	377	426	496	545	594	643	714	763	Communication	CAN, RS232	
Dimensions	[W×D×H mm]	554×636×1526		1092×636×1206			1092×636×1526			Certification	CE / IEC62619 / IEC 62368 / UN38.3	
Battery	EBR-B5K3(-AS)			Controller			EBR-C(-AS0)			Protection Strategy	Over-current @ Charge and Discharge Over-temp. @ Charge and Discharge Under-temp. @ Charge and Discharge Over-voltage @ Charge Under-voltage @ Discharge Over Charge and Discharge @ SOC Short Circuit Isolation Checking	
Nominal Energy and Capacity [kWh] / [Ah]	5.37/105			Operation Voltage			[Vdc] 250 - 1000					
Nominal Voltage	[V] 51.2			Max. Charge/Discharge Current			[A] 100 / 100					
Voltage Range	[V] 46.5 - 58.4			Power Source			DC from Battery					
Max. Charge/Discharge Current	[A] 100 / 100			Communication			CAN/RS232					
Weight	[KG] 49			Weight			[KG] 23					
Dimensions	[W×D×H mm] 650x482x150			Dimensions			[W×D×H mm] 650x482x190					

Capable of parallel connection for more capacity.
* Please refer to Solinteg Battery warranty for details;
** Please strictly follow the installation instruction for safety;
*** Please fix the batteries with wall bracket for toppling prevention;