iOne All in one ESS

- All-in-one Hybrid ESS and EV take you enjoy Zero-carbon.
- 10ms seamless switch when there is black time.
- Wide battery capacity for your different choice.
- Wide Temperature Tolerance.
- More than 8000 cycles lifespan.
- Stack design, installation within 20 minutes individually.
- 24/7 Online Monitoring for Reliable operation.
- Remote upgrade for easy maintenance.
- Fitted to 1-phase or 3-phase grid.
- IP65 protection, suitable for Indoor and outdoor.

Model Name	iOne-Single Phase			
System Specification				
Nominal Output Power(W)	5000~8000			
Capacity Range(KWh)	8~28			
Battery Chemistry	LFP Cell			
Protection Rating	IP65			
Warranty(Years)	10			
Inverter Technical Specification	**iPower-S5**	**iPower-S6**	**iPower-S7**	**iPower-S8**
Max. PV Input Power(W)	6500	7800	9100	10400
Max. PV Input Current (A)	15/15			
Max. PV Input Voltage (V)	600			
MPPT Number/Max. input strings number per MPPT	2			
MPPT Voltage Range（V）	100-550			
Max. PV Short-circuit Current（A）	20/20			
Max. Charging/Discharging Current（A）	30/30			
Rated AC Output Power (W)	5000	6000	7000	8000
Rated Frequency (HZ)	50/60			
Rated Voltage（V）	L/N/PE, 220/230/240			
UPS Switching Time(ms)	< 10			
Rated UPS Output Power(W)	5000	6000	7000	8000
Communication	Wi-Fi, Bluetooth			
Humidity	20%~95%(No condensation)			
Dimension(mm)	550W*410H*175D			
Weight(Kg)	26			
Self-consumption at Night (W)	< 15			
Noise Level (dB)	< 25			
Max. Efficiency	0.976			
Grid Regulation	VDE-AR-N4105、G98、G99、IEC62109、IEC62040、IEC61000-6-1、IEC61000-6-2、IEC61000-6-3			
Battery Technical Specification	**iPack-H4**			
Module Capacity(KWh)	4			
Usable Capacity(KWh)	3.8			
Depth of Discharge (DoD)	95%			
Nominal Voltage(V)	57.6			
Max. Charging/Discharging Current(A)	70			
Operating Temperature Range(°C)	-10~50*			
Cycle Life	8000**			
Dimension (mm)	600W*196H*380D			
Weight(Kg)	38			
Battery Packs Connection	2~7 in series			
Charger Technical Specification (Optional)	**iCharger S7**			
Charing Mode	Mode 3			
Max.Charing power(W)	7400			
Rated output voltage(VAC)	230 (1P)			
Rated Current（A）	32			
Connector Type	Type 2 IEC 62196-2			
Rated Frequency(Hz)	50/60			
Residual Current Detection(mA)	AC 30/DC 6			
Cable Length(m)	5			
Dimension(mm)	683W*196H*380D			
Weight(Kg)	16			
Working Temperature(°C)	-20~50			
Standards	CE mark (LVD 2014/35/EU EMCD 2014/30/EU) IEC 61851-1, IEC 61851-21-2 IEC 62196-2			

* When the temperature is below 0°C or above 40°C, the performance will be limited.
** Under specific test conditions

Model Name		iOne-Three Phase	
System Specification			
Nominal Output Power(W)		8000~12000	
Capacity Range(KWh)		12~28	
Battery Chemistry		LFP Cell	
Protection Rating		IP65	
Warranty(Years)		10	
Inverter Technical Specification	**iPower-T8**	**iPower-T10**	**iPower-T12**
Max. PV Input Power(W)	10400	13000	15600
Max. PV Input Current (A)		13/13	
Max. PV Input Voltage (V)		1000	
MPPT Number/Max. input strings number per MPPT		2	
MPPT Voltage Range（V）		200-850	
Max. PV Short-circuit Current（A）		20/20	
Max. Charging/Discharging Current（A）		30/30	
Rated AC Output Power (W)	8000	10000	12000
Rated Frequency (HZ)		50/60	
Rated Voltage（V）		3L/N/PE, 230/400V	
UPS Switching Time(ms)		< 10	
Rated UPS Output Power(W)	8000	10000	12000
Communication		Wi-Fi, Bluetooth	
Humidity		20%~95%(No condensation)	
Dimension(mm)		550W*410H*175D	
Weight(Kg)		28	
Self-consumption at Night (W)		< 15	
Noise Level (dB)		< 25	
Max. Efficiency		0.976	
Grid Regulation		VDE-AR-N4105、G98、G99、IEC62109、IEC62040、IEC61000-6-1、IEC61000-6-2、IEC61000-6-3	
Battery Technical Specification		**iPack-H4**	
Module Capacity(KWh)		4	
Usable Capacity(KWh)		3.8	
Depth of Discharge (DoD)		95%	
Nominal Voltage(V)		57.6	
Max. Charging/Discharging Current(A)		70	
Operating Temperature Range(°C)		-10~50*	
Cycle Life		8000**	
Dimension (mm)		600W*196H*380D	
Weight(Kg)		38	
Battery Packs Connection		3~7 in series	
Charger Technical Specification (Optional)		**iCharger T11/T22**	
Charing Mode		Mode 3	
Max.Charing power(W)		11000/22000	
Rated output voltage(VAC)		400 (3P)	
Rated Current（A）		32	
Connector Type		Type 2 IEC 62196-2	
Rated Frequency(Hz)		50/60	
Residual Current Detection(mA)		AC 30/DC 6	
Cable Length(m)		5	
Dimension(mm)		683W*196H*380D	
Weight(Kg)		18	
Working Temperature(°C)		-20~50	
Standards		CE mark (LVD 2014/35/EU EMCD 2014/30/EU) IEC 61851-1, IEC 61851-21-2 IEC 62196-2	

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** Under specific test conditions