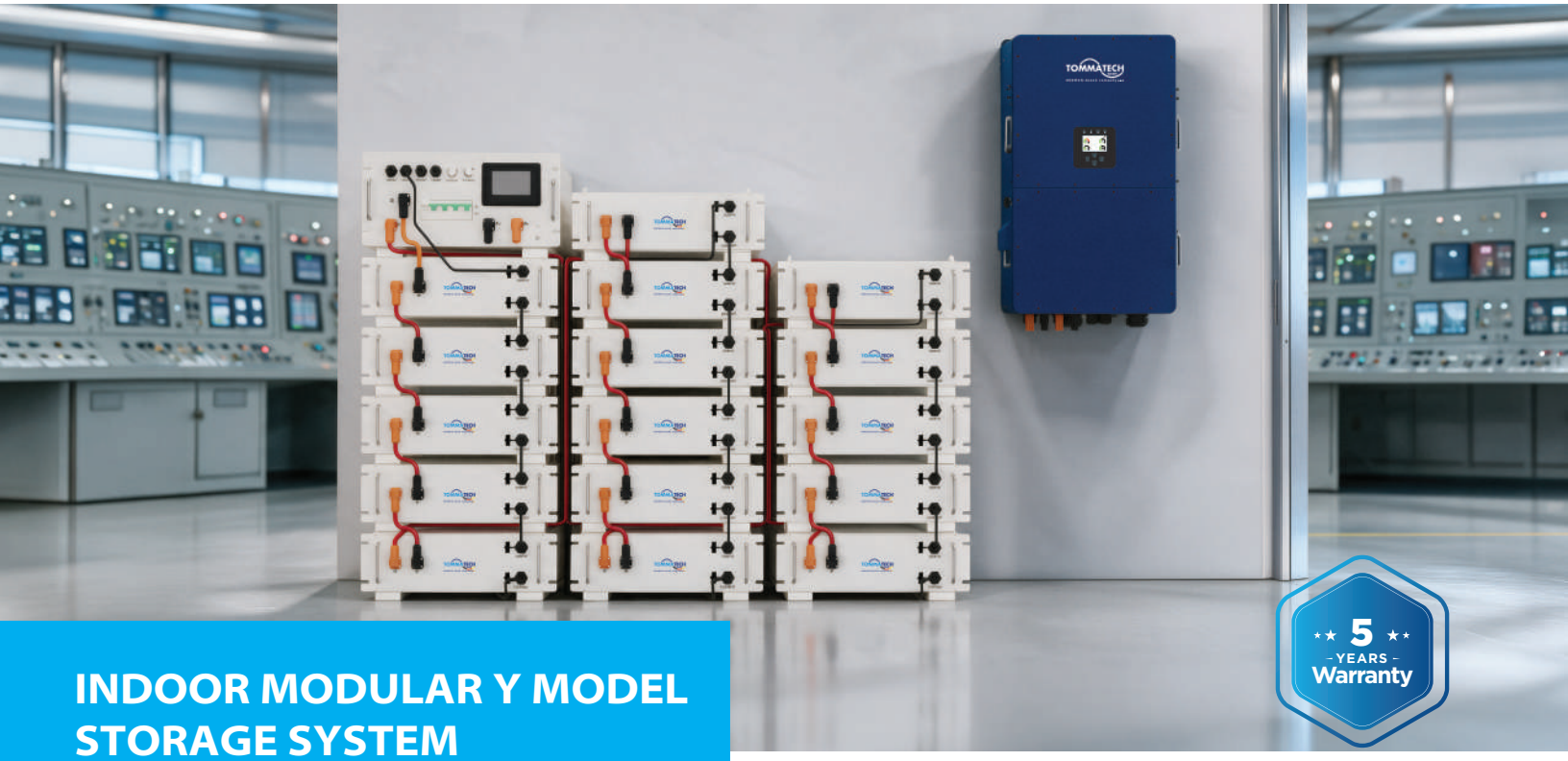
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INDOOR MODULAR Y MODEL STORAGE SYSTEM 25.6KWH/81.92KWH

Simple. Reliable. Efficient.

- High Performance
- Smart Battery Management
- Long Lifecycle
- Modular & Scalable Design
- Thermal Protection
- High Voltage System

ESS-TT-ID-25.60KWH-Y / ESS-TT-ID-40.96KWH-Y / ESS-TT-ID-61.44KWH-Y / ESS-TT-ID-81.92KWH-Y

TommaTech®'s high-voltage Indoor Modular Y-Model battery system offers an efficient solution for commercial and industrial energy storage needs with its modular design, smart safety features, and scalable capacity. Equipped with LFP cell technology, the system delivers over 6,000 charge/discharge cycles, scalable capacity up to 81.92 kWh, and reliable performance across a wide temperature range. Fully optimized for seamless compatibility with TommaTech's Maxi Series M30K, M50K, and M80K hybrid inverter models via the CAN protocol.

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CE

		ESS-TT-ID-25.60KWH-Y	ESS-TT-ID-40.96KWH-Y	ESS-TT-ID-61.44KWH-Y	ESS-TT-ID-81.92KWH-Y
MAIN PARAMETER					
Cell Chemistry		Lithium Battery			
Module Energy (kWh)		5.12			
Module Nominal Voltage (V)		51.2			
Module Capacity (Ah)		100			
Battery Module Number		ESS-TT-ID-25.60KWH-Y	ESS-TT-ID-40.96KWH-Y	ESS-TT-ID-61.44KWH-Y	ESS-TT-ID-81.92KWH-Y
Battery Module Qty In Series (Optional)		5 (Min)	8	12	16
System Nominal Voltage (V)		256	409.6	614.4	819.2
System Operating Voltage (V)		220 ~ 292	352 ~ 467.2	528 ~ 700.8	704 ~ 934.4
System Energy (kWh)		25.6	40.96	61.44	81.92
System Usable Energy (kWh) [1]		23.04	36.86	55.3	73.73
Rated DC Power (kW)		25.6	40.96	61.44	81.92
Charge / Discharge Current (A) [2]	Recommend	50			
	Nominal	100			
	Peak Discharge (2 mins, 25°C)	125			
Working Temperature (°C)		Charge : 0 ~ 55 / Discharge : -20 ~ 55			
Status Indicator		Yellow : Battery High Voltage Power On Red : Battery System Alarm			
Communication Port		CAN2.0 / RS485			
Humidity		5% ~ 85%RH			
Altitude		≤3000m			
IP Rating of Enclosure		IP20			
Weight Approximate (kg)		249	387	571	755
Installation Location		Rack Mounting			
Storage Temperature (°C)		0 ~ 35			
Recommend Depth of Discharge		90%			
Cycle Life		25±2°C, 0.5C / 0.5C, EOL70%≥6000			
Warranty [3]		5 years			
Certification		UN38.3			

1. DC Usable Energy, test conditions : 90% DOD, 0.3C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.
2. The current is affected by temperature and SOC.
3. The warranty is due whichever reached first of warranty period or life cycle power.

* TommaTech GmbH reserves the right to change the specifications of the products without prior notice.

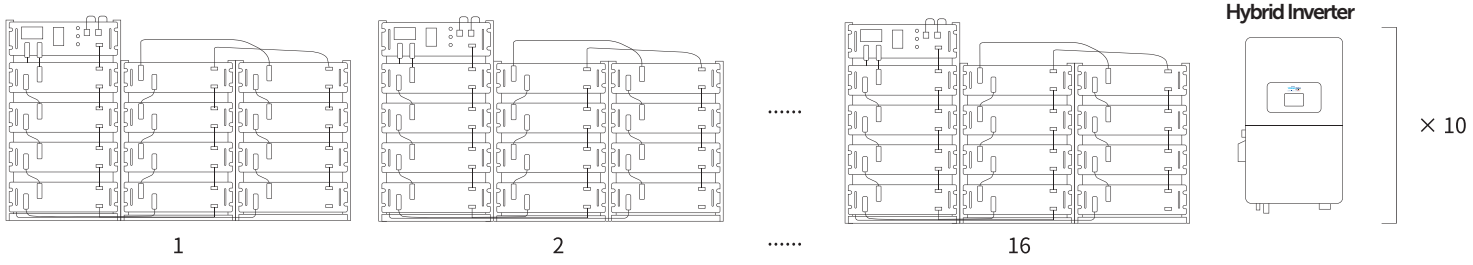
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INDOOR MODULAR Y MODEL - STORAGE SYSTEM

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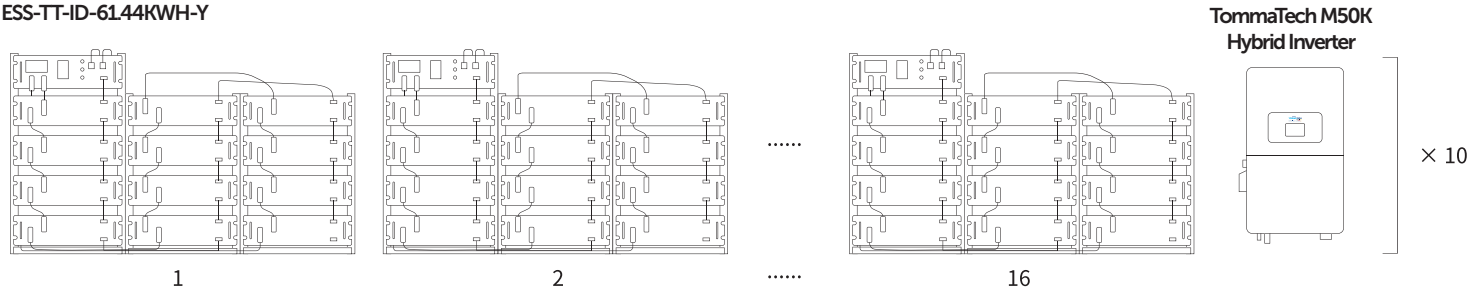
Typical Application Scenarios

ESS-TT-ID-6144KWH-Y



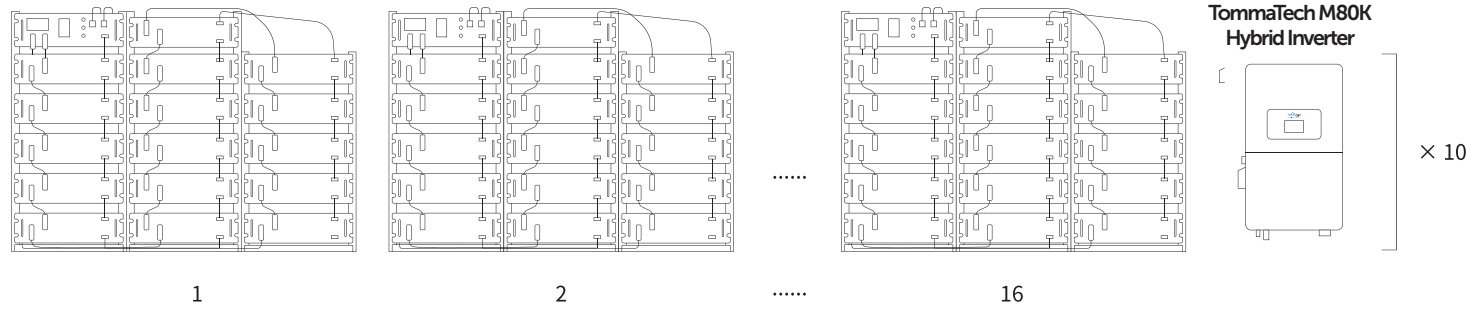
Maximum support for 16 racks of batteries in parallel

ESS-TT-ID-6144KWH-Y



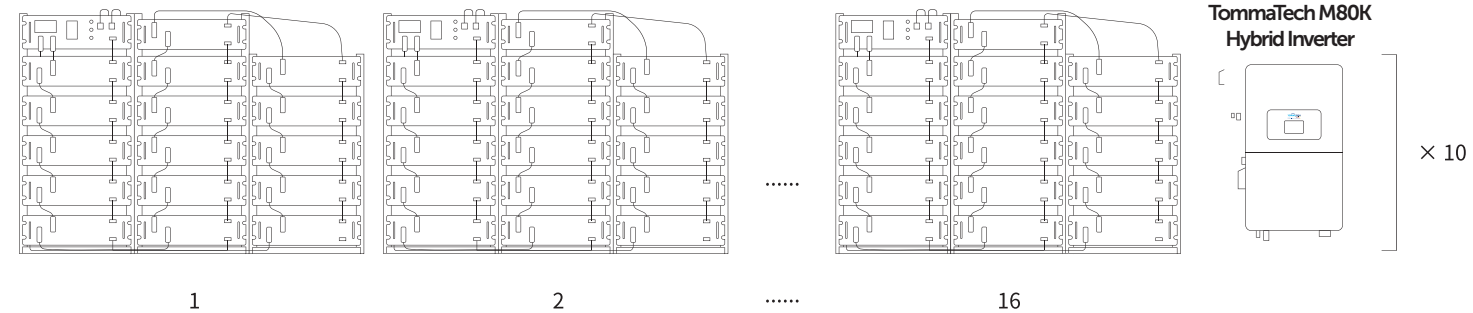
Maximum support for 10 inverters in AC parallel operation

ESS-TT-ID-8192KWH-Y



Maximum support for 16 clusters of batteries in parallel

ESS-TT-ID-8192KWH-Y



Maximum support for 10 inverters in AC parallel operation

Ver.0211.26