



Industrial Solar Storage System



SAFETY
Four-in-one safety design



MANAGEMENT
Intelligent energy management



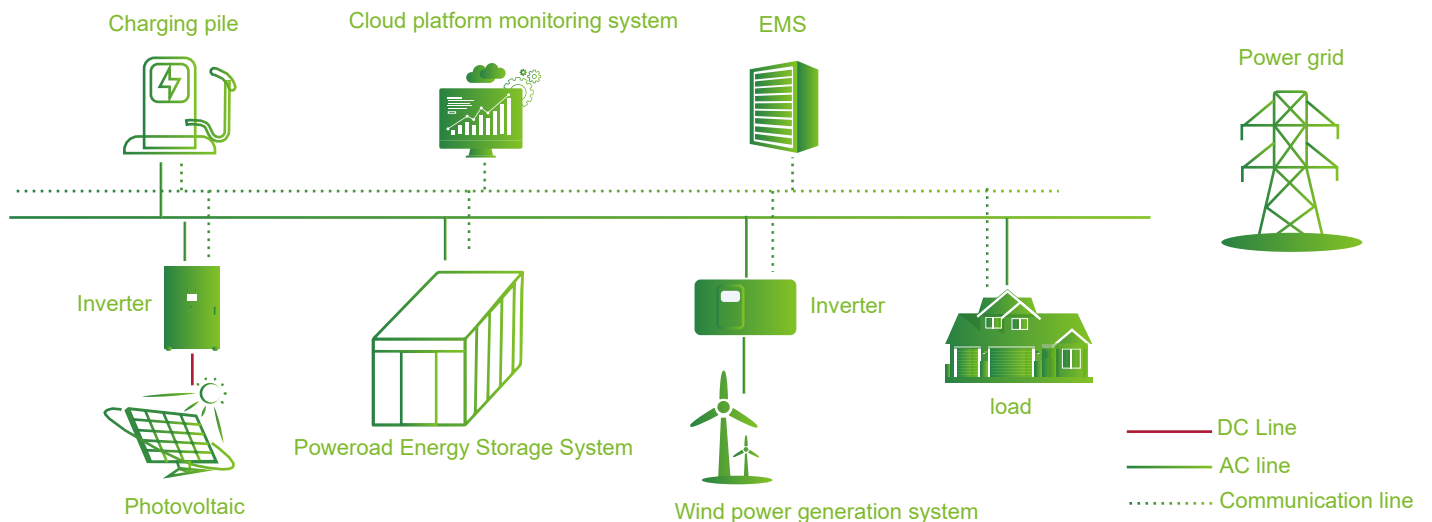
MODULE&FLEXIBLE
Free combination, fast configuration



LOW COSTS
No capacity loss



Applications



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Project Cases



400KW/2MWH



400KW/2MWH



400KW/8MWH



600KW/4MWH



300KW/1.5MWH



600KW/1.2MWH

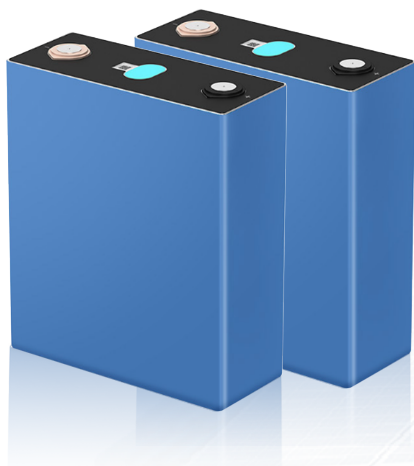


100KW/500KWH

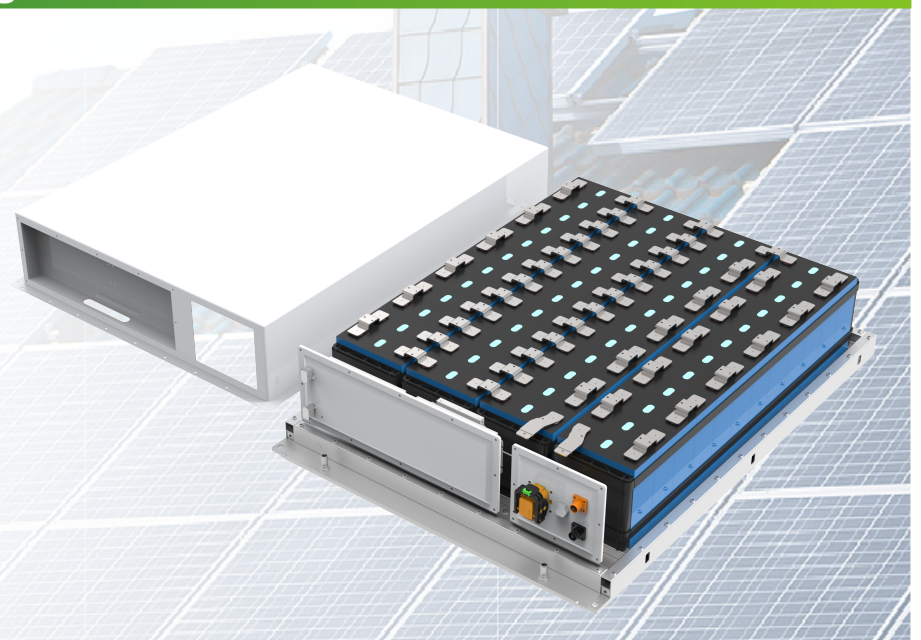


200KW/1MWH

Integrated solar cells



3.2V 280AH&314AH



Specification parameter



Model	TK E-Cube A100 50KW/100KWH	TK E-Cube L200 100KW/200KWH	TK E-Cube A200 100KW/200KWH	TK E-Cube A500 100KW/500KWH	
PV parameters	Max.Input power	50KW	100KW	100KW	
	Start-up voltage	135V			250V
	PV Max voltage	1000Vdc			950Vdc
	PV rated voltage	620Vdc			600Vdc
	MPPT operating voltage range	200 ~ 850 Vdc			
	MPPT Qty.	4			
	Single MPPT input channels	2			
	Max.input current	30A			
Max.short circuit current	40A				
ESS parameters	Rated power	100KWh	215KWh		430KWh
	Battery cell capacity	160Ah	280Ah/314Ah		
	Rated voltage	614.4Vdc	768Vdc		
	Battery voltage range	537.6 ~ 691.2 Vdc	672 ~ 864Vdc		
	Rated charge/discharge current	80A	130A		150A
	Max.charge/discharge current	160A	280A		165A
Working Condition	Rated output power	50KW	100KW		
	Max.input apparent power	60 KVA	110KVA		
	Grid-connected Max output apparent power	55 KVA	110KVA		
	Off-grid Max. output apparent power	55 KVA	110KVA		
	Max.output current	83A	166A	152A	
	Rated voltage(input&output)	3L/N/PE; 220/380V; 230/400V;240/415V	380VAC~		
	Grid frequency	50Hz/60Hz			
THDu	<3%@ rated power& linear load				
Efficiency parameters	Max.PV conversion efficiency	98.8%			
	EU efficiency	98.8%			
Ambient parameters	Operating temperature	-25°C~55°C(45°Cderating)			
	Storage temperature	-20°C~45°C			
	Humidity	5~95%,no condensing			
	Altitude	2000m(2000m derating)			
	Cooling mode	Smart air conditioner, smart fan	Liquid Cooling	Smart air conditioner, smart fan	
Other parameters	Dimension(W*H*D mm)	1100*1100*2000	1300*1235*2466	1300*1235*2466	2700*1400*2300
	Weight	1300 kg	2500 kg	2500 kg	4000 kg
	Ingress protection	IP65			
	Communication mode	CAN, RS485			



Specification parameter



Model		TK E-Cube A1000 200KW/1MWH	TK E-Cube A1500 300KW/1.5MWH
PV parameters	Max.Input power	200KW	300KW
	Start-up voltage	250V	
	PV Max voltage	950Vdc	
	PV rated voltage	600Vdc	
	MPPT operating voltage range	200 ~ 850Vdc	
	MPPT Qty.	8	16
	Single MPPT input channels	4	8
	Max.input current	60A	100A
	Max.short circuit current	90A	120A
ESS parameters	Rated power	1075KWh	1505KWh
	Battery cell capacity	280Ah/314Ah	
	Rated voltage	768Vdc	
	Battery voltage range	672 ~ 864Vdc	
	Rated charge/discharge current	300A	500A
	Max.charge/discharge current	330A	550A
Working Condition	Rated output power	200KW	300KW
	Max.input apparent power	210KVA	310KVA
	Grid-connected Max output apparent power	210KVA	310KVA
	Off-grid Max. output apparent power	210KVA	310KVA
	Max.output current	310A	456A
	Rated voltage(input&output)	380VAC	
	Grid frequency	50Hz/60Hz	
THDu	<3%@ rated power& linear load		
Efficiency parameters	Max.PV conversion efficiency	98.80%	
	EU efficiency	98.30%	
Ambient parameters	Operating temperature	-25°C~55°C(45°Cderating)	
	Storage temperature	-20°C~45°C	
	Humidity	5~95%,no condensing	
	Altitude	2000m(2000m derating)	
	Cooling mode	Smart air conditioner, smart fan	
Other parameters	Dimension(W*H*D mm)	6200*1400*2300	8500*1400*2300
	Weight	10000KG	14000KG
	Ingress protection	IP65	
	Communication mode	CAN/RS485	



Specification parameter



Model		TK E-Cube A1200 600KW/1.2MWH	TK E-Cube A2000 400KW/2MWH
PV parameters	Max.Input power	600KW	400KW
	Start-up voltage	250V	
	PV Max voltage	950Vdc	
	PV rated voltage	600Vdc	
	MPPT operating voltage range	200 ~ 850Vdc	
	MPPT Qty.	64	32
	Single MPPT input channels	32	16
	Max.input current	250A	140A
	Max.short circuit current	300A	160A
ESS parameters	Rated power	1290KWh	1935KWh
	Battery cell capacity	280Ah/314Ah	
	Rated voltage	768Vdc	
	Battery voltage range	672 ~ 864Vdc	
	Rated charge/discharge current	900A	600A
	Max.charge/discharge current	990A	660A
Working Condition	Rated output power	600KW	400KW
	Max.input apparent power	610KVA	410KVA
	Grid-connected Max output apparent power	610KVA	410KVA
	Off-grid Max. output apparent power	610KVA	410KVA
	Max.output current	912A	610A
	Rated voltage(input&output)	380VAC	
	Grid frequency	50Hz/60Hz	
	THDu	<3%@ rated power& linear load	
Efficiency parameters	Max.PV conversion efficiency	98.80%	
	EU efficiency	98.30%	
Ambient parameters	Operating temperature	-25°C~55°C(45°Cderating)	
	Storage temperature	-20°C~45°C	
	Humidity	5~95%,no condensing	
	Altitude	2000m(2000m derating)	
	Cooling mode	Smart air conditioner, smart fan	
Other parameters	Dimension(W*H*D mm)	5900*2340*2400	/
	Weight	18000KG	/
	Ingress protection	IP65	
	Communication mode	CAN/RS485	

