

# YT Energy

## All-in-one Online UPS Data Sheet

Working Mode	Parameters	Unit	YT- 3KV - A	YT- 3KV - B	
AC Input	Input Voltage	V	85 ~ 310		
	Input Frequency	Hz	35 ~ 200		
	Max Input Power	W	3,200		
	Online Power	W	2,400		
	Charging Power	W	680		
	Charging Time	h	5	7	
Solar Input	Charging Method		MPPT		
	Input Voltage Range	V	60 ~ 100		
	Max charging Power	W	2400		
	Charging Time	h	1.2	2	
AC Output	Output Voltage	V	220 V $\pm$ 1%		
	Output Frequency	HZ	50 HZ $\pm$ 1%		
	Rated Power	W	2,400		
	Peak Power	W	4,800		
	Output power protection	W	2,600		
	Output Wave form		Pure sine wave		
DC Output	USB		18W*2		
	TYPE C		60W*1		
	DC 12V		100W*1		
Network Interface	Ethernet SNMP		Web-based or App, remote control and data transmission		
Operating temperature range			-10°C ~ +55°C		
Battery Pack	Battery Type		Lithium Iron Phosphate (LiFePO4)		
	Cell Type		33140, Cylindrical		
	Cell Nominal Voltage	V	3.2		
	Cell Nominal Capacity	Ah	15		
	Battery CycleLife		2000 times $\geq$ 80% capacity		
	Cell Configuration		16S4P	16S6P	
	Number of Cells		64	96	
	Nominal Voltage	V	51.2	51.2	
	Nominal Capacity	Ah	60	90	
	Battery Energy	Wh	3,072	4,608	
	Battery Management		BMS Hardware + Software Protection		
Protected Function			Short circuit, Overvoltage, Undervoltage, Overload, Overcurrent, Temperature protection		
Online / Interactive Mode			Transfer Time: 0 ms		
During voltage and frequency fluctuations			Response Time: 0 ms		
Enclosure Material			Painted sheet metal		
Dimensions (W × D×H)		cm	53 x 26x 52		
Net Weight		Kg	36	45	
Gross Weight		Kg	40	49	

Working Mode	Parameters	Unit	YT- 6KV - A	YT- 6KV - B	YT- 6KV - C
AC Input	Input Voltage	V	85 ~ 310		
	Input Frequency	Hz	35 ~ 200		
	Max Input Power	W	6,400		
	Online Power	W	4,800		
	Charging Power	W	1,360		
	Charging Time	h	4.4	8.3	12.3
Solar Input	Charging Method		MPPT		
	Input Voltage Range	V	60 ~ 100		
	Max charging Power	W	3600		
	Charging Time	h	1.5	3	4.5
AC Output	Output Voltage	V	220 V ±1%		
	Output Frequency	HZ	50 HZ ±1%		
	Rated Power	W	4,800		
	Peak Power	W	9,600		
	Output power protection	W	5,000		
	Output Wave form		Pure sine wave		
DC Output	USB		18W*2		
	TYPE C		60W*1		
	DC 12V		100W*1		
Network Interface	Ethernet SNMP		Web-based or App, remote control and data transmission		
Operating temperature range			-10°C ~ +55°C		
Battery Pack	Battery Type		Lithium Iron Phosphate (LiFePO4)		
	Battery CycleLife		2000 times ≥80% capacity		
	Cell Type		33140, Cylindrical		
	Cell Nominal Voltage	V	3.2		
	Cell Nominal Capacity	Ah	15		
	Cell Configuration		16S7P	16S7P x 2	16S7P x 3
	Number of Cells		112	224	336
	Nominal Voltage	V	51.2	51.2	51.2
	Nominal Capacity	Ah	105	105	105
	Battery Energy	Wh	5,376	10,752	16,128
	Battery Management		BMS Hardware + Software Protection		
Protected Function			Short circuit, Overvoltage, Undervoltage, Overload, Overcurrent, Temperature protection		
Online / Interactive Mode			Transfer Time: 0 ms		
During voltage and frequency fluctuations			Response Time: 0 ms		
Enclosure Material			Painted sheet metal		
Dimensions (W × D×H)		cm	71 x 32 x 69		
Net Weight		Kg	54	69	74
Gross Weight		Kg	59	74	79

Working Mode	Parameters	Unit	YT- 9KV - A	YT- 9KV - B	YT- 9KV - C
AC Input	Input Voltage	V	85 ~ 310		
	Input Frequency	Hz	35 ~ 200		
	Max Input Power	W	8,800		
	Online Power	W	7,200		
	Charging Power	W	1,360		
	Charging Time	h	5.5	10.5	15.7
Solar Input	Charging Method		MPPT		
	Input Voltage Range	V	60 ~ 100		
	Max charging Power	W	2400		
	Charging Time	h	2	3.9	5.8
AC Output	Output Voltage	V	220 V ±1%		
	Output Frequency	HZ	50 HZ ±1%		
	Rated Power	W	7,200		
	Peak Power	W	15,000		
	Output power protection	W	7,400		
	Output Wave form		Pure sine wave		
DC Output	USB		18W*2		
	TYPE C		60W*1		
	DC 12V		100W*1		
Network Interface	Ethernet SNMP		Web-based or App, remote control and data transmission		
Operating temperature range			-10℃ ~ +55℃		
Battery Pack	Battery Type		Lithium Iron Phosphate (LiFePO4), 33140, Cylindrical		
	Battery CycleLife		2000 times ≥80% capacity		
	Cell Type		33140, Cylindrical		
	Cell Nominal Voltage	V	3.2		
	Cell Nominal Capacity	Ah	15		
	Cell Configuration		16S9P	16S9P x 2	16S9P x 3
	Number of Cells		144	288	432
	Nominal Voltage	V	51.2	51.2	51.2
	Nominal Capacity	Ah	135	135	135
	Battery Energy	Wh	6,912	13,824	20,736
	Battery Management		BMS Hardware + Software Protection		
Protected Function			Short circuit, Overvoltage, Undervoltage, Overload, Overcurrent, Temperature protection		
Online / Interactive Mode			Transfer Time: 0 ms		
During voltage and frequency fluctuations			Response Time: 0 ms		
Enclosure Material			Painted sheet metal		
Dimensions (W × D×H)		cm	82 x 35 x 69		
Net Weight		Kg	64	92	114
Gross Weight		Kg	70	96	118

Working Mode	Parameters	Unit	YT-12KV -A	YT-12KV -B	YT-12KV -C
AC Input	Input Voltage	V	85 ~ 310		
	Input Frequency	Hz	35 ~ 200		
	Max Input Power	W	12,000		
	Online Power	W	9,600		
	Charging Power	W	1,360		
	Charging Time	h	6.7	12.9	19.1
Solar Input	Charging Method		MPPT		
	Input Voltage Range	V	60 ~ 100		
	Max charging Power	W	3600		
	Charging Time	h	2.4	4.7	7
AC Output	Output Voltage	V	220 V ±1%		
	Output Frequency	HZ	50 HZ ±1%		
	Rated Power	W	9,600		
	Peak Power	W	20,000		
	Output power protection	W	9,800		
	Output Wave form		Pure sine wave		
DC Output	USB		18W*2		
	TYPE C		60W*1		
	DC 12V		100W*1		
Network Interface	Ethernet SNMP		Web-based or App, remote control and data transmission		
Operating temperature range			-10°C ~ +55°C		
Battery Pack	Battery Type		Lithium Iron Phosphate (LiFePO4), 33140, Cylindrical		
	Battery CycleLife		2000 times ≥80% capacity		
	Cell Type		33140, Cylindrical		
	Cell Nominal Voltage	V	3.2		
	Cell Nominal Capacity	Ah	15		
	Cell Configuration		16S11P	16S11P x 2	16S11P x 3
	Number of Cells		176	352	528
	Nominal Voltage	V	51.2	51.2	51.2
	Nominal Capacity	Ah	165	165	165
	Battery Energy	Wh	8,448	16,896	25,344
	Battery Management		BMS Hardware + Software Protection		
Protected Function			Short circuit, Overvoltage, Undervoltage, Overload, Overcurrent, Temperature protection		
Online / Interactive Mode			Transfer Time: 0 ms		
During voltage and frequency fluctuations			Response Time: 0 ms		
Enclosure Material			Painted sheet metal		
Dimensions (W × D×H)		cm	74x45x69		
Net Weight		Kg	84	109	134
Gross Weight		Kg	89	114	138