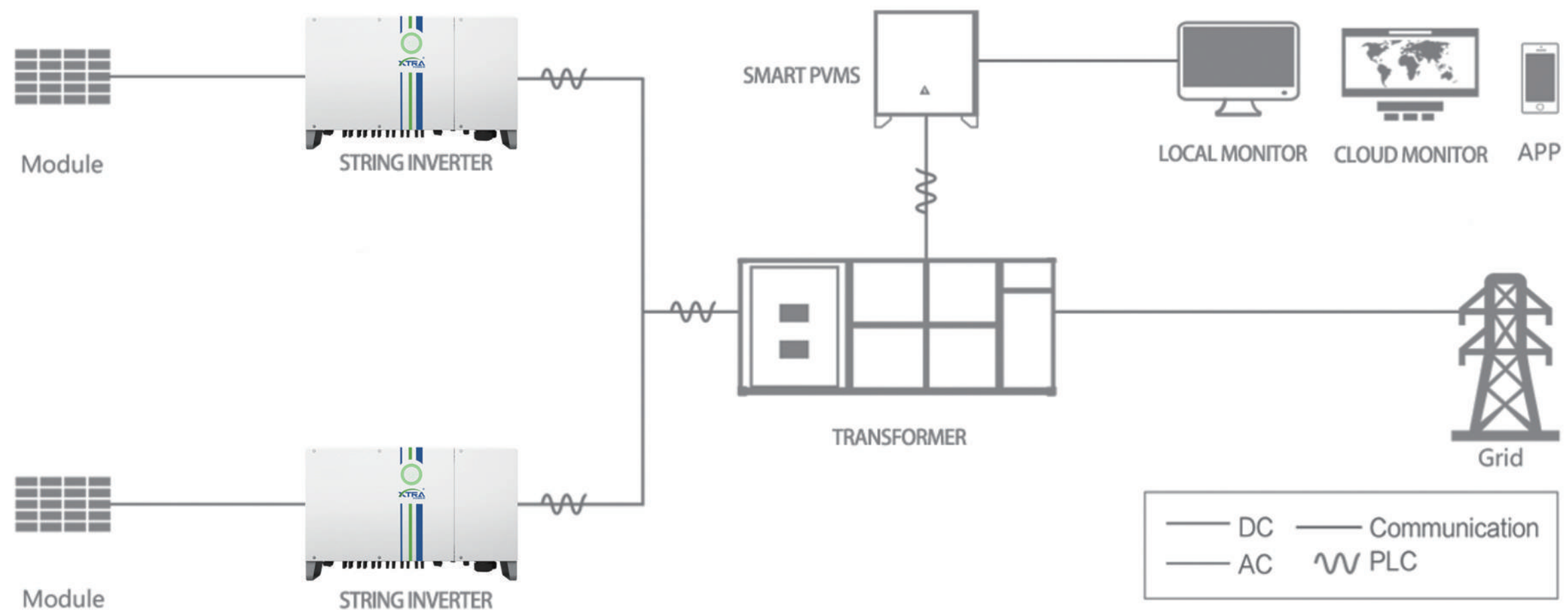


UTILITY SCALE PV POWER PLANT SOLUTION



STRING INVERTER

XT75-125KW C6



SAFE AND RELIABLE

- Type II AC & DC surge protection
- AFCL protection
- IP68 rated intelligent cooling fan
- IP66 & C5 Protection

SMART AND USER-FRIENDLY

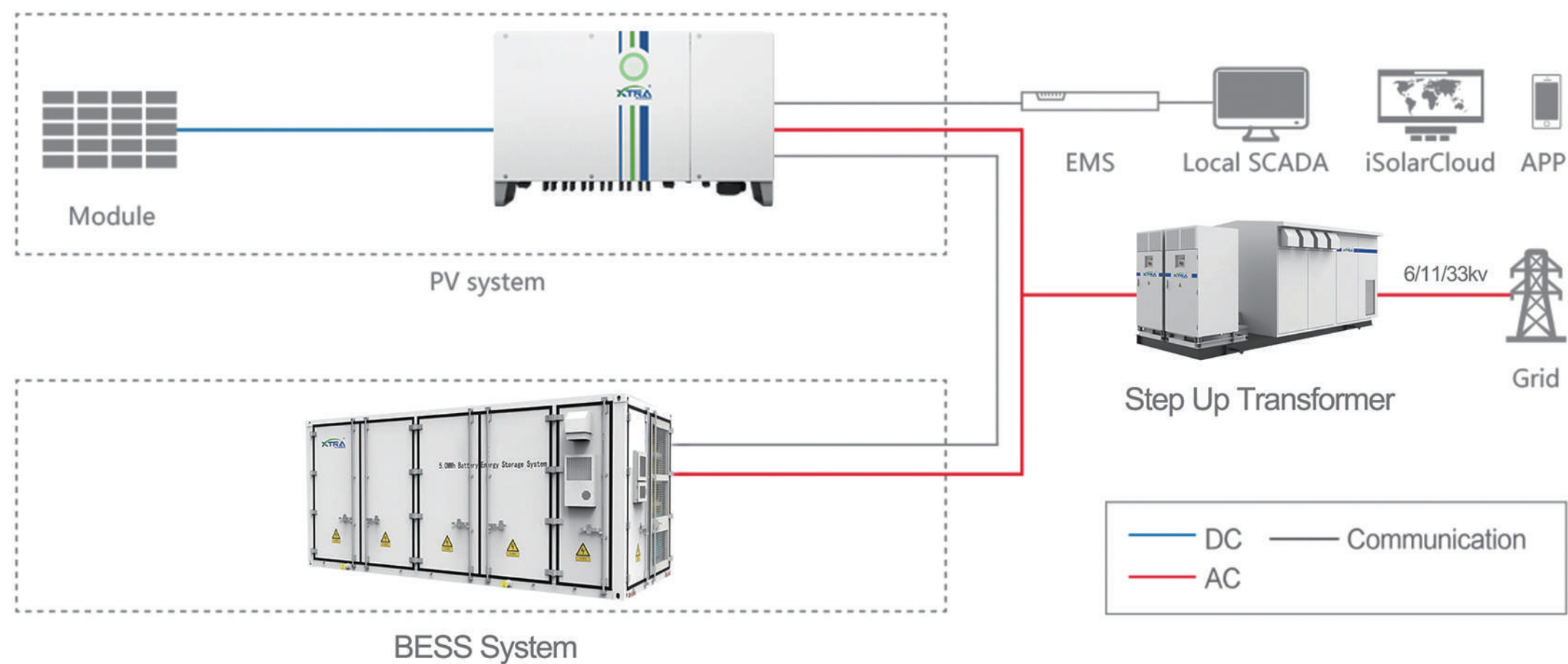
- 24/7 load monitoring
- Easy upgrade

ULTRA-HIGH ENERGY YIELD

- String current up to 15A
- Max. efficiency 99%
- Max. 12 MPP trackers

MODEL	C6-75K-T6/C6-75K-T6-40	C6-100K-T9/C6-100K-T9-40	C6-110K-T12/C6-110K-T12-40	C6-125K-T12/C6-125K-T12-40
DC Input				
Max.PV Array Power [KWp]@STC	112.5	150	165	180
Max.DC Voltage [V]	1100			
MPPT Voltage Range [V]	180~1000			
Rated DC Voltage [V]	600			
Start Voltage [V]	200			
Min.DC Voltage [V]	180			
Max.DC Input Current [A]	6*30/6*40	9*30/9*40	12*30/12*40	
Max.DC Short Circuit Current [A]	6*45/6*50	9*45/9*50	12*45/12*50	
No.of Strings per MPPT	2			
No.of MPPT	6	9	12	
DC Switch	Integrated			
AC Output				
Rated AC Power [kW]	75	100	110	125
Max.Apparent Power*[kVA]	82.5	110	121	125
Rated Output Current [A]@230Vac	108.3	144.3	158.8	180.4
Max.Output Current [A]	119.1	158.8	174.6	180.4
Rated AC Voltage/Range [V]	3+N+PE,230/400			
Rated Output Frequency/Range [Hz]	50,60/45~55,55~65			
Power Factor [cos ϕ]	0.8 leading~0.8 lagging			
Total Harmonic Distortion [THDi]	<3%			
Efficiency				
Max. Efficiency	98.8%			
Euro Efficiency	98.5%			
Protection				
Internal Overvoltage Protection	Integrated			
DC Insulation Ristance Detection	Integrated			
Grid Monitoring	Integrated			
GFCI Monitoring	Integrated			
DCI Monitoring	Integrated			
AC Short Circuit Current Protection	Integrated			
AC Grounding Detection	Integrated			
DC Surge Protection	Typell			
AC Surge Protection	Typell			
Anti-islanding Protection	Integrated			
AFCI Protection	Optional			
Interface				
DC Connection	MC4/H4			
AC Connection	OT/DT Terminal(Max.240mm²)			
Display	LED+APP			
Communication Port	RS232(USB)+RS485(RJ45)+DRM			
Communication	Wi-Fi/Ethernet/4G/PLC(Optional)			
General Parameters				
Topology	Non-isolated			
Consumption at Night [W]	<2			
Operating Temperature Range	-30°C to +60°C (45°C to 60°C with derating)			
Cooling Method	Intelligent Fan cooling			
Ambient Humidity	0~100% Non-condensing			
Altitude	4000m (>3000m Power Derating)			
Ingress Protection	IP66			
Mounting	Wall Mounting			
Dimensions [H*W*D] [mm]	660*1045*361			
Weight [kg]	93		98	
Warranty [Year]	5/10/15/20			
Applicable Standard	EN 62109-1/2, EN 61000-6-2/4, EN 50438, EN 50549, C10/11, IEC 62116, IEC 61727, RD 1699, RD 413, UNE 206006, UNE 206007, NTS, CEI 0-16, AS 4777.2, NBR 16149, NBR 16150 VDE-AR-N 4105, VDE 0126-1-1			

UTILITY SCALE PV + BESS POWER PLANT SOLUTION



LIQUID COOLING BESS

2.5MW/5MWH



OPTIMAL COST

- Intelligent liquid-cooled temperature control system to optimize the auxiliary power consumption
- Pre-assembled, no battery module handling on site, transportation of complete system

EFFICIENT AND FLEXIBLE

- High-efficiency heat dissipation, increase battery life and system discharge capacity
- Front single-door-open design, supporting back to back layout drawing
- Function test in factory, limited on-site work, accelerate commissioning process

SAFETY AND RELIABLE

- Electrical safety management, overcurrent fast breaking and arc extinguishing protection
- The electrical cabinet and battery cabinet are separated to prevent thermal runaway

CONVENIENT O&M

- One-click system upgrade
- Automatic coolant refilling design
- Online intelligent monitoring

直流侧参数 DC Side Parameters	电芯材料 Cell Material	LFP
	电芯型号 Cell Tpye	3.2V/314Ah
	充放电倍率 Rated Charging Ratio	0.5C
	循环次数 Cycle Life	≥6000次 (90%DOD, 80%EOL)
	成组方式 Battery Configuration	12P416S
	额定容量 Nominal Capacity	5MWh
	标称电压 Nominal Voltage	1331.2V
交流侧参数 AC Side Parameters	标称电压 Nominal Voltage Range	1123.2V-1497.6V
	电网频率 Grid Frequency	50Hz (±10%)
系统参数 System Parameters	接线方式 Termination	三相四线
	运行温度范围 Operation Temperature Range	-40°C~+60°C (45°C降额)
	电池温控方式 Battery Temperature control Method	液冷
	运行湿度范围 Operation Humidity Range	0%~100%(无凝露)
	最高工作海拔 Max. Operation Altitude	5000m (3000m降额)
	噪声 Noise	<80dB
	消防系统 Fire Suppression System	舱级/簇级/包级消防可选配
	对外通讯接口 External Communication Interface	RS485/Ethernet/ CAN/光纤
	对外通讯协议 External Communication Protocol	MODBUS-RTU/MODBUS-TCP/CAN2.0B/可定制
	认证 Certificates	UL9540A、UL1973 cTUVus
结构参数 Structure Parameters	结构形式 Type	集装箱式
	显示 Display	触摸屏
	开门方式 Opening Mode	外开门
	维护方式 Maintenance Mode	外维护(非步入式)
	尺寸 Dimensions(WxDxH)mm	6500*2600*2896
	重量 Weight	48T
	防护等级 IP Class	IP54/IP55

PCS WITH STEP UP TRANSFORMER

2500KW



HIGH YIELD

- Advanced three-level technology, max. efficiency 99%
- Wide DC voltage operation window, full power operation at 1500V



FLEXIBLE APPLICATION

- Bidirectional power conversion system with full four-quadrant operation
- Compatible with high voltage battery system, low system cost
- Battery charge & dis-charge management and black start function integrated



SMART O&M

- Modular design, easy for maintenance
- IP65 protection degree, easy for outdoor installation
- C5 anti-corrosion degree, adjust to applications close to the sea



GRID SUPPORT

- Compliant with CE, IEC 62477, IEC 61000 and grid regulations
- Fast active/reactive power response
- L/HVRT, FRT, soft start/stop, specified power factor control and reactive power support

直流侧参数 DC Side Parameters	额定功率 Nominal Power	3450kW
	直流电压范围 DC Voltage Range	1000V~1500V
交流侧参数 AC Side Parameters	额定功率 Nominal Power	3450kW
	交流过载能力 AC Overload Capacity	1.1 倍过载, 长期
	升压输出电压 Output Voltage of Boost	6kV/10kV/35kV
	额定电网频率 Nominal Grid Frequency	50Hz
	总电流谐波畸变率 AC Current Distortion Rate	<3%
	功率因数 Power Factor	>0.99
	功率因数可调范围 Adjustable Range of Reactive Power	-1~+1
系统参数 System Parameters	变压器类型 Transformer Type	油浸式
	最大尺寸 (W*D*H) mm Dimensions	6800×3000×2900
	重量 Weight	18T
	防护等级 IP Grade	IP54
	允许环境温度 Operation Temperature Range	-30℃~+60℃
	存储环境温度 Storage Temperature Range	-30℃~+60℃
	允许相对湿度 Operation Humidity Range	5%~95%, 无凝露
	最大海拔高度 Max. Operation Altitude	<5000m
	控制系统配电 Control System Power Supply	自供电
	通讯接口 Communication Interface	RS485, Ethernet, CAN
	通讯协议 Communication Protocol	ModbusTCP/RTU, IEC104, IEC61850
	BMS接入 BMS Connection	支持