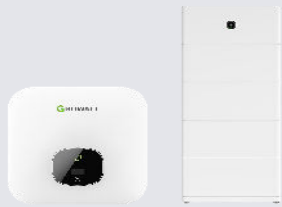
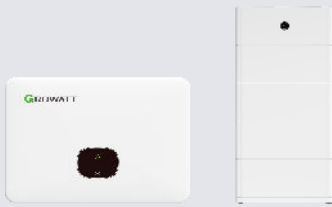
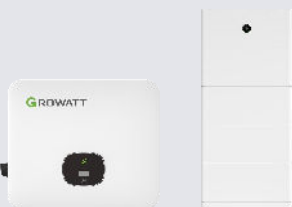


GROWATT ENERGY STORAGE CONFIGURATION QUICK CHECK LIST

Battery Ready Energy Storage System with APX HV Battery System

System Model	APX HV + MIN 2500-6000TL-XH	APX HV + MOD 3000-10000TL3-XH(BP)	APX HV + MID 11-30KTL3-XH/MID 8-15KTL3-XH L	APX HV + MOD 3-15KTL3-HU	APX HV + MID 30-50KTL3-HU
System					
Battery capacity range	5kWh-30kWh	5kWh-30kWh	5kWh-60kWh*	5kWh-30kWh	5kWh-60kWh*
Battery module quantity	1-6 units in 1 cluster	1-6 units in 1 cluster	1-6 units in 1 cluster, support 2 clusters	1-6 units in 1 cluster	1-6 units in 1 cluster, support 2 clusters
BMS/Power module	APX 55027-P0	APX 98034-P2	APX 98034-P2	APX 98034-P2	APX 98034-P2
Battery module	APX 5.0P-B1				
Cable from battery to inverter	Included in the package of power module				
Cable from battery to battery (for 1 cluster in 2 columns)	APX 5.0P-B1 Parallel extension cable				
Cable from battery to battery (for 2 clusters)	/	/	APX Cascading Communication Cable	/	APX Cascading Communication Cable
Wall mounted bracket	APX Battery Wall Bracket				
Battery base	APX Battery Base				
Battery configuration formula	Floor standing installation 1 cluster installation (1 ≤ N ≤ 4) N pcs * 【APX 5.0P-B1】+1 pcs 【APX 55027-P0】 +1 pcs 【APX Battery Base】 1 cluster in 2 columns installation (N = 5, 6) N pcs * 【APX 5.0P-B1】+1 pcs 【APX 55027-P0】 +2 pcs 【APX Battery Base】+1 pcs 【APX 5.0P-B1 Parallel extension cable】 Wall mounting installation (N ≤ 4) Replace 【APX Battery Base】 with 【APX Battery Wall Bracket】	Floor standing installation 1 cluster installation (1 ≤ N ≤ 4) N pcs * 【APX 5.0P-B1】+1 pcs 【APX 98034-P2】 +1 pcs 【APX Battery Base】 1 cluster in 2 columns installation (N = 5, 6) N pcs * 【APX 5.0P-B1】+1 pcs 【APX 98034-P2】 +2 pcs 【APX Battery Base】+1 pcs 【APX 5.0P-B1 Parallel extension cable】 Wall mounting installation (N ≤ 4) Replace 【APX Battery Base】 with 【APX Battery Wall Bracket】	Floor standing installation 1 cluster installation (1 ≤ N ≤ 4) N pcs * 【APX 5.0P-B1】+1 pcs 【APX 98034-P2】 +2 pcs 【APX Battery Base】+1 pcs 【APX 5.0P-B1 Parallel extension cable】 2 clusters with separate columns (N = 7, 8) N pcs * 【APX 5.0P-B1】+2 pcs 【APX 98034-P2】 +2 pcs 【APX Battery Base】+1 pcs 【APX Cascading Communication Cable】 2 clusters with 2 columns respectively (9 ≤ N ≤ 12) N pcs * 【APX 5.0P-B1】+2 pcs 【APX 98034-P2】 +4 pcs 【APX Battery Base】+2 pcs 【APX 5.0P-B1 Parallel extension cable】+1 pcs 【APX Cascading Communication Cable】 Wall mounting installation (N ≤ 4) Replace 【APX Battery Base】 with 【APX Battery Wall Bracket】	Floor standing installation 1 cluster installation (1 ≤ N ≤ 4) N pcs * 【APX 5.0P-B1】+1 pcs 【APX 98034-P2】 +1 pcs 【APX Battery Base】 1 cluster in 2 columns installation (N = 5, 6) N pcs * 【APX 5.0P-B1】+1 pcs 【APX 98034-P2】 +2 pcs 【APX Battery Base】+1 pcs 【APX 5.0P-B1 Parallel extension cable】 2 clusters with separate columns (N = 7, 8) N pcs * 【APX 5.0P-B1】+2 pcs 【APX 98034-P2】 +2 pcs 【APX Battery Base】+1 pcs 【APX Cascading Communication Cable】 2 clusters with 2 columns respectively (9 ≤ N ≤ 12) N pcs * 【APX 5.0P-B1】+2 pcs 【APX 98034-P2】 +4 pcs 【APX Battery Base】+2 pcs 【APX 5.0P-B1 Parallel extension cable】+1 pcs 【APX Cascading Communication Cable】 Wall mounting installation (N ≤ 4) Replace 【APX Battery Base】 with 【APX Battery Wall Bracket】	Floor standing installation 1 cluster installation (1 ≤ N ≤ 4) N pcs * 【APX 5.0P-B1】+1 pcs 【APX 98034-P2】 +1 pcs 【APX Battery Base】 1 cluster in 2 columns installation (N = 5, 6) N pcs * 【APX 5.0P-B1】+1 pcs 【APX 98034-P2】 +2 pcs 【APX Battery Base】+1 pcs 【APX 5.0P-B1 Parallel extension cable】 2 clusters with separate columns (N = 7, 8) N pcs * 【APX 5.0P-B1】+2 pcs 【APX 98034-P2】 +4 pcs 【APX Battery Base】+2 pcs 【APX 5.0P-B1 Parallel extension cable】+1 pcs 【APX Cascading Communication Cable】 Wall mounting installation (N ≤ 4) Replace 【APX Battery Base】 with 【APX Battery Wall Bracket】
Datalogger (Single inverter)	ShineWlan-X2, ShineWiFi-X, ShineGPRS-X2, ShineLink-X/X2, ShineLan-X			ShineWlan-X2	
Meter	SPM-C, SPM-CT-E	TPM-C, TPM-CT-E(100A), TPM-CT-E(250A), TPM-6CT-C(100A), TPM-6CT-C(250A)			
Backup box	SYN 50-XH-10	SYN 100-XH-30	SYN 100-XH-30	Bakcup function integrated	Backup function integrated

GROWATT ENERGY STORAGE CONFIGURATION QUICK CHECK LIST

ARK HV Three-phase Energy Storage System		Battery Ready Energy Storage System with ARK XH	
System Model	ARK HV + SPH 4000-10000TL3 BH-UP	ARK XH + MIN 2500-6000TL-XH	ARK XH + MOD 3000-10000TL3-XH
System			
Battery capacity range	7.68kWh-25.6kWh		5.12kWh-17.92kWh
Battery module quantity	3-10 units		2-7 units
BMS/Power module	HVC 60050-C2		BDC 95045-A1
Battery module	ARK 2.5H-A2		ARK 2.5H-A2
Cable from battery to inverter	ARK 2.5H-A1 Cable (included in the package of HVC 60050-C2)		ARK XH Battery Cable
Cable from battery to battery (for 1 cluster in 2 columns)	ARK 2.5H-A1 Series cable		ARK 2.5H-A1 Series cable
Wall mounted bracket	ARK Battery Wall Bracket		ARK Battery Wall Bracket
Battery base	ARK Battery Base		ARK Battery Base
Battery configuration formula	Floor standing installation 1 cluster installation ($3 \leq N \leq 6$) N pcs * 【ARK 2.5H-A2】 +1 pcs 【ARK 2.5H-A1 Cable】 +1 pcs 【HVC 60050-C2】 +1 pcs 【ARK Battery Base】 1 cluster in 2 columns installation ($7 \leq N \leq 10$) N pcs * 【ARK 2.5H-A2】 +1 pcs 【ARK 2.5H-A1 Cable】 +1 pcs 【HVC 60050-C2】 +2 pcs 【ARK Battery Base】 +1 pcs 【ARK 2.5H-A1 Series cable】 Wall mounting installation ($N = 3, 4$) N pcs * 【ARK 2.5H-A2】 +1 pcs 【ARK 2.5H-A1 Cable】 +1 pcs 【HVC 60050-C2】 +N pcs 【ARK Battery Wall Bracket】		Floor standing installation 1 cluster installation ($3 \leq N \leq 6$) N pcs * 【ARK 2.5H-A2】 +1 pcs 【ARK XH Battery Cable】 +1 pcs 【BDC 95045-A1】 +1 pcs 【ARK Battery Base】 1 cluster in 2 columns installation ($N \leq 7$) N pcs * 【ARK 2.5H-A2】 +1 pcs 【ARK XH Battery Cable】 +1 pcs 【BDC 95045-A1】 +2 pcs 【ARK Battery Base】 +1 pcs 【ARK 2.5H-A1 Series cable】 Wall mounting installation ($N \leq 4$) N pcs * 【ARK 2.5H-A2】 +1 pcs 【ARK XH Battery Cable】 +1 pcs 【BDC 95045-A1】 +N pcs 【ARK Battery Wall Bracket】
Datalogger (Single inverter)	ShineWlan-X2, ShineWiFi-X, ShineGPRS-X2, ShineLink-X, Shine4G-X, ShineLan-X		ShineWlan-X2, ShineWiFi-X, ShineGPRS-X2, ShineLink-X, ShineLan-X
Meter	One three-phase meter in the package of SPH BH-UP. TPM-C, TPM-CT-E(100A), TPM-CT-E(250A)		SPM-C, SPM-CT-E
Backup box	No need for Backup Box, built-in UPS function		SYN 50-XH-10
			No backup function

GROWATT ENERGY STORAGE CONFIGURATION QUICK CHECK LIST

ARK LV Single/Three-phase Energy Storage System		AXE LV Single/Three-phase Energy Storage System	
System Model	ARK LV + SPH 3000-6000TL BL-UP / SPF 3500-6000ES / SPE 8-12K / WIT 4-15K-HU	AXE LV + SPH 3000-6000TL BL-UP / SPF 3500-6000ES / SPE 8-12K / WIT 4-15K-HU	
System			
Battery capacity range	2.56kWh-25.6kWh		5kWh-50kWh
Battery module quantity	1-10 units		1-10 units
BMS/Power module	/		/
Battery module	ARK 2.5L-A2		AXE 5.0L-C1
Cable from battery to inverter	ARK 2.5L-A1 Cable		AXE 5.0L Accessory Package (Cable and Base)
Cable from battery to battery (for 1 cluster in 2 columns)	ARK 2.5L-A1 parallel cable		/
Wall mounted bracket	ARK Battery Wall Bracket (Included in the package of ARK 2.5L-A2)		/
Battery base	ARK Battery Base		AXE 5.0L Accessory Package (Cable and Base)
Battery configuration formula	Floor standing installation 1 cluster installation N pcs * 【ARK 2.5L-A2】 +1 pcs 【ARK 2.5L-A1 Cable】 +1 pcs 【ARK Battery Base】 1 cluster in 2 columns installation N pcs * 【ARK 2.5L-A2】 +1 pcs 【ARK 2.5L-A1 Cable】 +2 pcs 【ARK Battery Base】 +1 pcs 【ARK 2.5L-A1 parallel cable】 Wall mounting installation (1 ≤ N ≤ 4) N pcs * 【ARK 2.5L-A2】 +1 pcs 【ARK 2.5L-A1 Cable】 +N pcs 【ARK Battery Wall Bracket】		Floor standing installation 1 cluster installation N pcs * 【AXE 5.0L-C1】 +1 pcs 【AXE 5.0L Accessory Package】
Datalogger (Single inverter)	SPH 3000-6000TL BL-UP: ShineWiFi-X2, ShineWiFi-X, ShineGPRS-X2, ShineLink-X, ShineLan-X, Shine4G-X SPF 3500-6000ES and SPE 8-12K (1pcs WIFI-F Pro included in the package): ShineWiFi-F Pro, ShineWiFi-F WIT 4-15K-HU: ShineWiFi-X2		
Meter	Single-phase system: SPM-C, SPM-CT-E for SPH BL-UP (1pcs CT included in the package of SPH BL-UP) Three-phase system: TPM-CT-E(100A), TPM-CT-E(250A) for WIT 4-15K-HU (1pcs CT included in the package of WIT 4-15K-HU)		
Backup box	SPH 3000-6000TL BL-UP and WIT 4-15K-HU: No need for Backup Box, built-in UPS function		