GOODWE
SOLAR ACADEMY

TECHNICAL DOCUMENT

Compatibility list of GoodWe inverters and IoT products

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This document lists the compatibility between all GoodWe inverters and IoT products consisting of

1.Communication Modules 2.Data loggers and communication boxes 3.Smart Meters

Communication Module

Communication module integrates the function of local configuration and data transmitting to cloud center, so that customers can monitor inverter's working status locally or remotely.

Model	Status	ARM Platform	Communication Modules														Firmware Version Requirement (No remark means no version requirement)
			WIFI BOX	WIFI KIT	WiFi KIT-20	WiFi KIT-20 (Cyber Security Version)	4G KIT-EC	4G KIT-AU	4G KIT-AF	4G Kit-G20（EU）	BLUETOOTH KIT	LAN BOX	LAN KIT	WIFI/LAN KIT	WIFI/LAN Kit-20	WIFI/LAN Kit-20 (Cyber Security Version)	Ezlink3000	
			5PIN	USB	USB	USB	USB	USB	USB	USB	USB	5PIN	USB	USB	USB	USB	USB	
			Phase Out	Mass Production	Mass Production	Mass Production	Mass Production	Mass Production	Mass Production	Mass Production	Mass Production	Phase Out	Phase Out	Mass Production	Mass Production	Mass Production	Mass Production	
ESA	Mass Production	105	√															
ES	Phase Out	105		√										√*1				*1: ARM 19 or above； DSP 12 or above
BP EM SBP	Phase Out	105	√									√*1						*1: ARM 13 or above
ET 5~10K ET PLUS+ 5~10K BT 5~10K EH EH PLUS+ BH	Mass Production	205		√			√*2	√*3		√*7	√*4			√*5		√*6		*2: ARM 20 or above (Only T-mobile/simpoint/1nce for Net herlors, and monthly traffic must be 250Mb or above) *3: ARM 20 or above (OnlyTelstra/Optus, and monthly traffi c must be 250Mb or above) *4: ARM 12 or above *5: ARM 25 or above *6: ARM 30 or above *7: ARM 30 or above
EHB	Mass Production	205		√			√*2	√*3		√*7	√*4			√*5		√*6		
AES ABP	Mass Production	205		√							√*1			√*2				*1: ARM 12 or above *2: ARM 25 or above
ES G2	Mass Production	745		√	√*1				√*6	√*7				√*2	√*3	√*4	√*5 (Parallel)	*1: ARM 07 or above (module ARM 04 or above) *2: ARM 02 or above *3: ARM 08 or above (module ARM 04 or above) *4: ARM 08 or above (module ARM 01 or above) *5: ARM 07 or above, DSP 02 or above (Ezlink ARM 02 or above) *6: ARM 08 or above
SBP G2	Mass Production	745		√	√*1					√*6				√*2	√*3	√*5		*1: ARM 07 or above (module ARM 04 or above) *2: ARM 02 or above *3: ARM 08 or above (module ARM 04 or above) *4: ARM 08 or above (module ARM 01 or above) *5: ARM 08 or above (module ARM 01 or above) *6: ARM 08 or above
ET 15~30K	Mass Production	745		√	√*1					√*6				√*2	√*3	√*4	√*5 (Parallel)	*1: ARM 07 or above (module ARM 04 or above) *2: ARM 02 or above *3: ARM 08 or above (module ARM 04 or above) *4: ARM 08 or above (module ARM 01 or above) *5: ARM 08 or above, DSP 07 or above (Ezlink ARM 04 or above) *6: ARM 08 or above
ET G2 6~15K	Mass Production	745								√					√*1	√*2	√*3 (Parallel)	*1: Module ARM 04 or above *2: Module ARM 01 or above *3: ARM 08 or above, DSP 01 or above (Ezlink ARM 04 or above)
ES-US20 SBP-US20	Mass Production	745																
ES uniq	Mass Production	745								√*4					√*1	√*3	√*2 (Parallel)	*1: ARM 08 or above *2: ARM 08 or above(Module ARM 03 or above) *3: ARM 08 or above *4: ARM 08 or above
ET 40~50K	Mass Production	745								√*4					√*1	√*2	√*3 (Parallel)	*1: ARM 09 or above (module ARM 03 or above) *2: ARM 09 or above (module ARM 00 or above) *3: ARM 10 or above, DSP 02 or above (module ARM 05 or above) *4: ARM 09 or above
XS	Mass Production	305*1		√*1			√*1				√*1		√*1	√*1				*1: ARM 04 or above *2: ARM 14 or above *3: ARM 15 or above

Model	Status	ARM Platform	Communication Modules															Firmware Version Requirement (No remark means no version requirement)
			WIFI BOX	WIFI KIT	WiFi KIT-20	WiFi KIT-20 (Cyber Security Version)	4G KIT-EC	4G KIT-AU	4G KIT-AF	4G Kit-G20（EU）	BLUETOOTH KIT	LAN BOX	LAN KIT	WIFI/LAN KIT	WIFI/LAN Kit-20	WIFI/LAN Kit-20 (Cyber Security Version)	Ezlink3000	
			5PIN	USB	USB	USB	USB	USB	USB	USB	USB	5PIN	USB	USB	USB	USB	USB	
			Phase Out	Mass Production	Mass Production	Mass Production	Mass Production	Mass Production	Mass Production	Mass Production	Mass Production	Phase Out	Phase Out	Mass Production	Mass Production	Mass Production	Mass Production	
XS PLUS+	Mass Production	105		√*1			√*3				√*2		√*3	√*3				*1: ARM 50 or above
XS G3	Mass Production	425		√	√		√*2			√*5				√	√*3	√*4		*2: ARM 01 or above *3: Module ARM 04 or above *4: Module ARM 01 or above *5: Module 00 or above,ARM 01 or above
DNS	Mass Production	105		√*1			√*3				√*2		√*3	√*3				*1: ARM 04 or above *2: ARM 14 or above *3: ARM 15 or above
	Mass Production	305*1		√*1			√*1				√*1		√*1	√*1				*1: ARM 50 or above
DNS G3	Mass Production	425		√	√*1		√*3	√*2		√*6	√			√*4	√*1	√*5		*1: ARM 03 or above (module ARM 04 or above) *2: 4G KIT ARM 06 or above *3: ARM 06 or above *4: ARM 03 or above *5: ARM 03 or above (module ARM 01 or above) *6: ARM 03 or above
MS	Mass Production	305		√*1			√*1				√*1		√*1	√*1				*1: ARM 50 or above
MS G3	Mass Production	425		√	√*1		√*3	√*2		√*4	√				√*1	√*5		*1: ARM 03 or above (module ARM 04 or above) *2: 4G KIT ARM 06 or above *3: ARM 06 or above *4: ARM 03 or above *5: ARM 03 or above (module ARM 01 or above)
MS G3 US	Mass Production	745		√*2	√*1				√*2		√*2			√*2	√*1	√*1	√*1	*1: ARM 04 or above (WIFI/LAN kit-20 ARM 04 or above, ,WIFI/LAN kit-20 cyber security ARM 01 or above, Ezlink ARM 01 or above) *2: ARM 05 or above
SDT G2 SDT G2 PLUS	Mass Production	205		√			√*1				√*1		√	√				*1: ARM 09 or above
	Mass Production	405*1		√			√				√		√	√				*1: ARM 50 or above
DNS G4	Mass Production	425				√				√						√	√*1(single)	*1: Module V1.6.8 or above
MS G4	Mass Production	425				√				√						√	√*1(single)	*1: Module V1.6.8 or above
SDT G3 8-40K (≤3MPPT)	Mass Production	425			√					√*2					√*2	√*2	√*3	*2: ARM 04 or above. Module (Cyber Security Version) 01 or above *3: Module V1.6.8 or above
SDT G3 40K (4MPPT)	Mass Production	425			√					√*2	√				√*2	√*2	√*3	*2: ARM 04 or above. Module ARM 01 or above *3: Module V1.6.8 or above
SDT G3 50K (4MPPT)	Mass Production	425			√					√*2					√*2	√*2	√*1	*1: Module V1.6.8 or above *2: ARM 01 or above.
MT MT G2	Phase Out	105	√	√*1							√*3		√*4	√*4				*1: ARM 04 or above *3: ARM 14 or above *4: ARM 15 or above
	Phase Out	305*1	√	√							√		√	√				*1: ARM 50 or above
UT	Mass Production	745									√				√*1	√*1		*1: ARM 05 or above

Model	Status	ARM Platform	Communication Modules															Firmware Version Requirement (No remark means no version requirement)
			WIFI BOX	WIFI KIT	WiFi KIT-20	WiFi KIT-20 (Cyber Security Version)	4G KIT-EC	4G KIT-AU	4G KIT-AF	4G Kit-G20（EU）	BLUETOOTH KIT	LAN BOX	LAN KIT	WIFI/LAN KIT	WIFI/LAN Kit-20	WIFI/LAN Kit-20 (Cyber Security Version)	Ezlink3000	
			5PIN	USB	USB	USB	USB	USB	USB	USB	USB	5PIN	USB	USB	USB	USB	USB	
			Phase Out	Mass Production	Mass Production	Mass Production	Mass Production	Mass Production	Mass Production	Mass Production	Mass Production	Phase Out	Phase Out	Mass Production	Mass Production	Mass Production	Mass Production	
HT (1100V)	Mass Production	753		√							√						√*2	*2: ARM 16 or above (Ezlink 04 or above)
HT (1500V)	Mass Production	753		√							√							
EO	Phase Out	407													√	√		
SMT	Mass Production	205		√		√*3					√*1			√*2		√		*1: ARM 09 or above *2: ARM 12 or above *3: only available for Brazil market
SMT US	Mass Production	745		√					√*1		√*1			√*1	√*1	√		
LV SMT-US	Mass Production	745							√		√			√	√	√		
SMT 75/80K	Mass Production	745				√*2				√*1					√			*1: ARM 02 or above *2: only available for Brazil market
GT 100/125K	Mass Production	745								√	√				√	√	√*1	*1: Module V1.6.8 or above
GT 110/125K KR	Mass Production	745									√				√			DSP 05 or above
GT 75KLV	Mass Production	745				√*1					√				√			*1: only available for Brazil market

Smart Meter

Smart Meter can detect power import and export status to achieve functions of power limitation, battery charging and discharging management, etc.

Model	Status	ARM Platform	Smart Meter													Firmware Version Requirement（No remark means no version requirement）	Power limitation (only for systems wth one inverter)	Load monitoring
			CT90	CT120	GM1000	GM1000D	GMK110	GMK110D	GM3000	GM3000C	GM330	GMK120	GMK140	GMK330	HK1000	HK3000			
			/	/	1CT	2CT	1CT	2CT	3CT	/	/	2CT-NAM	4CT NAM	3CT	2CT	3CT			
			Mass Production	Mass Production	Phase Out	Phase Out	Mass Production	Mass Production	Mass Production	Phase Out	Mass Production	Phase Out	Mass Production	Mass Production	Phase Out	Mass Production			
ESA ES	Phase Out	105			√*1				√*1								*1: ARM 13 or above	√	√
BP	Phase Out	105			√*1												*1: ARM 13 or above	√	√
EM	Phase Out	105			√*1				√*1								* 1: ARM 13 or above	√	√
SBP	Phase Out	105			√*1	√*1			√*1								* 1: ARM 13 or above	√	√
ET ET PLUS+5~10K BT 5~10K	Mass Production	205							√		√*1						* 1: ARM 31 or above	√	√
EH EH PLUS+ BH	Mass Production	205			√	√			√									√	√
AES	Mass Production	205				√*1						√*1	√*1				*1: ARM 17 or above	√	√
ABP	Mass Production	205				√*1						√*1	√*1				*1: ARM 17 or above	√	√
EHB	Mass Production	205			√*1		√*2	√*2									*1: ARM 17 or above *2: ARM 30 or above	√	√
ES G2	Mass Production	745			√		√*1	√*2	√		√*3						*1: ARM 01 or above *2: ARM 01 or above *3: parallel sysytem	√	√
SBP G2	Mass Production	745			√	√	√*1	√*1									*1: ARM 01 or above	√	√
ET (15~30K)	Mass Production	745							√		√*1						*1: ARM 07 or above	√	√
ET G2 (6~15K)	Mass Production	745	√						√		√							√	√
ES uinq	Mass Production	745		√			√*1				√*1						*1: ARM 08 or above	√	√
ES-US20	Mass Production	745										√	√					√	√
SBP-US20	Mass Production	745										√	√					√	√
ET(40~50K)	Mass Production	745							√*1		√*2						*1: ARM 09 or above *2: ARM 09 or above (Parallel needs ARM 10 or above)	√	√
ETC BTC	Mass Production	753								√	√						case by case	√	√
XS XS PLUS+	Mass Production	105			√										√		*1: ARM 50 or above	√	×
	Mass Production	305			√										√		*1: ARM 50 or above	√	×
XS G3	Mass Production	425	√		√		√		√					√	√		*1: ARM 01 or above	√	√
DNS	Mass Production	105			√										√			√	×
	Mass Production	305*1			√										√		*1: ARM 50 or above	√	×
DNS G3	Mass Production	425	√		√*1		√*1		√*2					√	√		*1: ARM 03 or above *2: ARM 06 or above	ARM 05 or above	ARM 05 or above
MS	Mass Production	305			√										√*1			√	×
MS G3	Mass Production	425	√		√*1		√*1		√*2					√	√*3		*1: ARM 03 or above *2: ARM 06 or above	ARM 03 or above	ARM 03 or above

Model	Status	ARM Platform	CT90 / Mass Production	CT120 / Mass Production	GM1000 1CT Phase Out	GM1000D 2CT Phase Out	GMK110 1CT Mass Production	GMK110D 2CT Mass Production	GM3000 3CT Mass Production	GM3000C / Phase Out	GM330 / Mass Production	GMK120 2CT-NAM Phase Out	GMK140 4CT NAM Mass Production	GMK330 3CT Mass Production	HK1000 2CT Phase Out	HK3000 3CT Mass Production	Requirement（No remark means no version requirement）	Power limitation (only for systems wth one inverter)	Load monitoring
MS G3 US	Mass Production	745	√									√*1	√		√		*1: ARM 05 or above	ARM 05 or above	ARM 05 or above
DNS G4	Mass Production	425	√		√*1		√				√							√	√
MS G4	Mass Production	425	√		√*1		√				√							√	√
SDT G2 SDT G2 PLUS+	Mass Production	205							√							√	*1: ARM 50 or above	√	×
		405*1							√							√			
SDT G3 8-40K (≤3MPPT)	Mass Production	425							√		√			√		√*1	*1: Power limitation function doesn't need network configuration for HK3000	√	√(Need AC power supply)
SDT G3 40K (4MPPT)	Mass Production	425									√			√				√	√(Need AC power supply)
SDT G3 50K (4MPPT)	Mass Production	425									√			√		√		√	√
MT MT G2	Phase Out	105							√*2	√*2							*2: ARM 14 or above	√	×
		305*1							√	√									
UT	Mass Production	745																	Use Acrel Meter (DSP 04 or above, CPLD 01 or above)
HT（1100V）	Mass Production	753								√	√			√*1			*1.Power limitation function:ARM 17or above，DSP 19 or above	Special model is supported	Special model is supported
HT（1500V）	Mass Production	753															DSP 17 or above		
ETC BTC	Mass Production	753								√	√							√	√
SMT	Mass Production	205									√*1					√	*1: ARM 19 or above	√	ARM 19 or above
SMT US	Mass Production	745									√*1						*1: ARM 05 or above	√	√
LV SMT-US	Mass Production	745									√*1						*1: ARM 05 or above	√	√
SMT 75/80K	Mass Production	745									√							ARM 02 or above	ARM 02 or above
GT 100/125K	Mass Production	745									√							ARM 03 or above	ARM 03 or above
GT 110/125K KR	Mass Production	745									√							ARM 05 or above	ARM 05 or above
GT 75KLV	Mass Production	745									√							ARM 05 or above	ARM 05 or above

Note: If using HK1000 for load monitoring, please do not connect the RS485 cable between the inverter and meter.

Data Logger and communication box

Data Logger supports to connect multiple inverters by RS485 mainly for C&I system, and PLC(HPLC) for utility system, achieving functions of data monitoring and system control. Moreover, adding smart meter can realize the function of power limitation.

Model	Status	ARM Platform	Ezlogger3000R	Ezlogger Pro	SEC1000	SEC1000S	SCU3000A	SCU3000	Ezlogger3000U -A	Ezlogger3000U	Ezlogger3000C	SEC3000	SEC3000C	ARM Version Requirement（No remark means no version requirement ）
			Mass Production	Phase Out	Phase Out	Mass Production	Mass Production	Mass Production	Mass Production	Mass Production	Mass Production	Mass Production	Mass Production	
ET 5~10k ET PLUS+ 5~10k	Mass Production	205				√*1								*1: ARM 09 or above
ET G2 6-15K	Mass Production	745												
ET 15-30k	Mass Production	745												
ET 40-50k	Mass Production	745											√*1	*1: ARM 10 or above， DSP 03 or above
XS XS PLUS+	Mass Production	105		√*1	√*1									*1: ARM 50 or above
	Mass Production	305*1		√*1	√*1									
XS G3	Mass Production	425		√*2	√*2									*2: DSP 07 or above
DNS	Mass Production	105		√	√									
	Mass Production	305*1		√*1	√*1									*1: ARM 50 or above
DNS G3	Mass Production	425		√*2	√*2									*2: DSP 07 or above
MS	Mass Production	305		√*1	√*1									1: ARM 50 or above
SDT G2 SDT G2 PLUS	Mass Production	205		√*1	√*1						√*2			*1: ARM 13 or above *2: ARM 23 or above. Logger 03 or above
		405*1		√*1	√*!						√*2			*1: ARM 50 or above *2: ARM 23 or above. Logger 03 or above
SDT G3 8-40K (≤3MPPT)	Mass Production	425		√*1	√*1						√*2	√*2		*1: ARM 03 or above *2: ARM 04 or above, DSP 02 or above
SDT G3 40K (4MPPT)	Mass Production	425			√*1						√*2	√*2		*1: ARM 03 or above *2: ARM 05 or above, Logger 03 or above
SDT G3 50K (4MPPT)	Mass Production	425									√*1	√*1		*1: ARM 00 or above, Logger 03 or above
MT MT G2	Phase Out	105		√*1	√*1									*1: 105ARM 12 or above， 305 ARM 50 or above
		305*1		√*1	√*1						√*1			
UT（HPLC）	Mass Production	745					√(HPLC+RS485)		√(HPLC+RS485)		√*2	√*2		*1: ARM 02 or above, HPLC 01 or above *2: ARM 02 or above SCU3000A/EzLogger3000U -A 01 or above
HT（1100V）	Mass Production	753		√*1	√*1			√ (PLC+RS485)		√ (PLC+RS485)	√*2	√*2		*1: ARM 16 or above, HPLC 01 or above *2: ARM 17 or above. DSP 12 or above. SCB3000 04or above

Model	Status	ARM Platform	Ezlogger3000R	Ezlogger Pro	SEC1000	SEC1000S	SCU3000A	SCU3000	Ezlogger3000U -A	Ezlogger3000U	Ezlogger3000C	SEC3000	SEC3000C	ARM Version Requirement （No remark means no version requirement ）
			Mass Production	Phase Out	Phase Out	Mass Production	Mass Production	Mass Production	Mass Production	Mass Production	Mass Production	Mass Production	Mass Production	
HT （1500V ）	Mass Production	753					√*1 (HPLC+RS485)	√*1 (PLC+RS485)	√*1 (HPLC+RS485)	√*1 (PLC+RS485)	√*2	√*2		*1: ARM 16 or above, HPLC 01 or above *2: ARM 17 or above. DSP 12 or above. SCB3000 04 or above. SCU3000/EzLogger3000U 01 or above. SCU3000A/EzLogger3000U -A 02 or above
SMT 25-36K	Mass Production	205		√*1	√*1						√*2	√*2		*1: ARM 13 or above *2: ARM 21 or above. Logger 02 or above
SMT 40K （JP）	Mass Production	205									√*2	√*2		*2: ARM 21 or above. Logger 02 or above
SMT 50-60K	Mass Production	205		√*1	√*1						√*2	√*2		*1: ARM 13 or above *2: ARM 21 or above. Logger 02 or above
SMT 15/20K	Mass Production	205		√*1	√*1									*1: ARM 13 or above
SMT 30/35K	Mass Production	205		√*1	√*1									*1: ARM 13 or above
SMT US	Mass Production	745		√*1							√*1			*1: ARM 06 or above. Logger 02 or above
LV SMT-US	Mass Production	745									√	√		
SMT 75/80K	Mass Production	745		√*3	√*1						√*2	√*2		*1: ARM 02 or above *2: ARM 02 or above,Logger 02 or above *3: Logger 20 or above
GT 100/125K	Mass Production	745		√	√						√*1	√*1	√*1	*1: Logger 03 or above
GT 110/125K KR	Mass Production	745									√*1	√*1		*1: Logger 05 or above
GT 75KLV	Mass Production	745		√	√						√*1	√*1		*1: Logger 05 or above

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