#### EG4 18kPV Self-consumption Settings Guide

Basic       Standby:       Restart inverter       Reset         Charge       Export to Grid       Max Export to Grid(kW)       Set         Discharge       Zero Export       • Zero export: ✓         Advanced       Max Export to Grid(kW): 0       • Max Export to Grid(kW): 0         Debug       • Max Export to Grid(kW): 0       • Max Export to Grid(kW): 0         Basic       Operating Mode       Use SOC %       Waster         Basic       Operating Mode       Use SOC %       Use Bat V         Basic       Operating Mode       Use SOC %       Use Bat V: ✓         Basic       Operating Mode       Use SOC %       Use Bat V: ✓         Use Bat charge current limit(A)       Bat charge current limit(A): 250a Max       • According to SOC/Volt: ✓         Start AC charge       According to SOC/Volt       Set       • According to SOC/Volt: ✓         Advanced       Time 1       Start AC charge SOC(%)       • AC charge power (kW): 12kW Max         Start AC charge power (kW)       Start AC charge SOC(%)       • Start AC charge SOC(%): 0-90%         Debug       Time 1       Stop AC charge SOC(%)       • Stop AC charge SOC(%): 0-100%         Debug       Time 1       Stop AC charge SOC(%)       • Stop AC charge SOC(%): 0-100%         Stop AC charge Volt(V)					
<ul> <li>Zero Export</li> <li>Zero Export</li> <li>Zero Export</li> <li>Max Export to Grid(kW): 0</li> <li>Use SOC %: ✓ (User preference)</li> <li>Use Bat charge current limit(A)</li> <li>Bat charge current limit(A)</li> <li>Bat charge current limit(A)</li> <li>Bat charge current limit(A)</li> <li>Start AC charge SOC(%)</li> <li>Advanced</li> <li>Time 1</li> <li>Start AC charge SOC(%)</li> <li>Advanced</li> <li>Time 1</li> <li>Start AC charge SOC(%)</li> <li>Start AC charge SOC(%): 0-90%</li> <li>Start AC charge SOC(%): 0-100%</li> </ul>			Restart inverter Reset	Basic Standby:	Basic
<ul> <li>Zero export: ✓</li> <li>Max Export to Grid(kW): 0</li> <li>Use SOC %: ✓ (User preference)</li> <li>Use Bat charge current limit(A)</li> <li>Bat charge current limit(A): 250a Max</li> <li>Ac charge According to SOC/Volt</li> <li>Start AC charge power (kW): 12kW Max</li> <li>Ac charge power (kW): 12kW Max</li> <li>Start AC charge SOC(%)</li> <li>Time 1</li> <li>Start AC charge SOC(%)</li> <li>Start AC charge SOC(%)</li> <li>Start AC charge SOC(%): 0-90%</li> <li>Start AC charge SOC(%): 0-90%</li> <li>Start AC charge SOC(%): 0-100%</li> </ul>			Max Export to Grid(kW)	Charge Export to Grid	Charge
<ul> <li>Max Export to Grid(kW): 0</li> <li>Betwice info.</li> <li>Basic Operating Mode Use SOC % Use Bat V Set</li> <li>Bat charge current limit(A)</li> <li>Bat charge current limit(A)</li> <li>Bat charge current limit(A)</li> <li>Bat charge current limit(A): 250a Max</li> <li>Ac charge Ac charge According to SOC/Volt Set</li> <li>Advanced Time 1</li> <li>Start AC charge SOC(%)</li> <li>Time 2</li> <li>Stop AC charge SOC(%)</li> <li>Stop AC charge SOC(%): 0-100%</li> </ul>				ischarge Zero Export	Discharge
Debug       Device info.		-		dvanced	
Device info.		Max Export to Grid(KVV): 0			
Basic       Operating Mode       Use SOC %       Use Bat V         Basic       Operating Mode       Use SOC %       Use Bat V         Bat charge current limit(A)				Debug	Debug
Dasic       Operating index       Output of the correction of the corr				evice info.	Device info
Dasic       Operating index       Output of the correction of the corr			<mark>\$</mark>	n 🕒 🔔	<u></u>
Dasic       Operating mode       Obs but V       Image         Charge       Bat charge current limit(A)       Image       Image         Discharge       AC charge       According to SOC/Volt       Set         AC charge power(kW)       Start AC charge SOC(%)       Image       AC charge SOC(%)         Debug       Time 1       Start AC charge SOC(%)       Start AC charge SOC(%)         Time 2       Stop AC charge SOC(%)       Start AC charge SOC(%)         Time 3       Stop AC charge Volt (V)       Stop AC charge SOC(%)		-			
Dasic       Operating mode       Obsective       Obsective <td></td> <td></td> <td></td> <td></td> <td></td>					
Charge       Bat charge current limit(A)       •       Bat charge current limit(A): 250a Max         Discharge       According to SOC/Volt       Set         AC charge       According to SOC/Volt       Set         AC charge power(kW)       Start AC charge SOC(%)       •         Time 1       Start AC charge Volt (V)       •         Debug       Time 2       Stop AC charge SOC(%)         Time 3       Stop AC charge Volt (V)		· · · · · · · ·	SOC % Use Bat V Se	Basic Operating Mode Use S	Basic
<ul> <li>AC charge power(kW)</li> <li>Advanced</li> <li>Debug</li> <li>Time 1</li> <li>Start AC charge SOC(%)</li> <li>Time 2</li> <li>Stop AC charge SOC(%)</li> <li>Stop AC charge SOC(%)</li> <li>Stop AC charge Volt (V)</li> </ul>		,		Charge Bat charge current limit(A)	Charge
Advanced       Time 1       Start AC charge Volt (V)       •       Start AC charge SOC(%): 0-90%         Debug       Time 2       Stop AC charge SOC(%)       •       Start AC charge Volt(V): 40-52v         Time 3       Stop AC charge Volt (V)       •       Stop AC charge SOC(%): 0-100%			According to SOC/Volt	ischarge AC charge	Discharge
Debug       Time 2       Stop AC charge SOC(%)       • Start AC charge Volt(V): 40-52v         Time 3       Stop AC charge Volt(V)       • Stop AC charge SOC(%): 0-100%		••••			Advancer
Stop AC charge Volt (V)     Stop AC charge Volt (V)     Stop AC charge Volt (V)		Ĵ,			
■ Device info. ■ Stop AC charge Volt(V): 48-59v		- · · ·			Debug
		• Stop AC charge Volt(V): 48-59v		evice info.	Device info
			<mark>\$</mark>	<b>a</b> 🕒 🔔	<u></u>
Basic Charge first (PV) Time 1 Charge first power(kW) Set • Charge first power(kW):12kW Max • Stop charge first SOC(%): 0-100%				Basic Charge first(PV)	Basic
Charge first Volt(V): 48-59v				Charge	Charge
Charge     Time 2     Stop charge first SOC(%)       Discharge     Time 3     Stop charge first Volt(V)					
Lead-acid batteries or Lithium		-			
Advanced       Absorb voltage(V)       Float voltage(V)       Set       Open-Loop change these settings	5	Upen-Loop change these settings	Float voltage(V) Set	Absorb voltage(V)	Advanced
Debug     Start derate Volt(V)     Absorb voltage(V): Set to battery parameter	meters	Absorb voltage(V): Set to battery paran		Debug Start derate Volt(V)	Debug
Device info.     Start derate Volt(V): Set to battery		Start derate Volt(V): Set to battery		evice info.	Device info
parameters	otora				
Float voltage(V): Set to battery parameters	51615	• Float voltage(v). Set to battery parame			

# EG4 ELECTRONICS

Basic	Generator ————		
	Charge current limit(A)	Gen rated power(kW)	Set
Charge	Charge start Volt(V)	Charge start SOC(%)	
Discharge	Charge end Volt(V)	Charge end SOC(%)	
Advanced	AC couple		
Auvanceu	Start Volt(V)	Start SOC(%)	Set
Debug	End Volt(V)	End SOC(%)	
Device info.			^
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#### If using a generator change these settings

- Charge current limit(A):250a Max
- Charge start Volt(V): 40-59v
- Charge end Volt(V): 40-59v
- Gen rated power(kW): Set to Generators specifications
- Charge start SOC(%): 0-90%
- Charge end SOC(%): 20-100%

Basic	Operating Mode	Use SOC %	Use Bat V	Set
	Discharge current lim	nit(A) Dise	charge start power(	W)
Charge	On-grid Cut-off(%)	Off	-grid Cut-off(%)	
Discharge	On-grid Cut-off(V)	Off	-grid Cut-off(V)	
Advanced	Forced discharge	Set		
	Time1	Discha	rge power(kW)	
Debug	Time 2	: Stop di	scharge SOC(%)	
Device info.	Time 3	Stop di	scharge Volt(V)	~
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- Use SOC %: ✓ (User preference)
- Use Bat V: ✔ (User preference)
- Discharge current limit(A): 250a Max
- On-grid Cut-off(%): 0-90%
- On-grid Cut-off(V): 40-59v
- Off-grid Cut-off(%): 0-90%
- Off-grid Cut-off(V): 40-52v

Basic	PV input	✓ Meter or C	T 🗸	Set
	MODBUS addr	Meter type	~	
Charge	Vpv start (V)	CT ratio	~	
Discharge	Offgrid output	CT direction reverse	ed	Set
Advanced	Seamless switch	Charge last	RSD disable	
	AC couple	EPS output without Battery	Micro-grid	
Debug	Smart load	Run without grid	Set	
Device info.	PV Arc	PV Arc fault clear	Set	~
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- PV input: Set to the inputs they are using
- Meter or CT: Set to whichever they are using
  - Offgrid output: ✓
- Seamless switch:
- PV Arc: 🗸
- Run without grid:

# EG4 ELECTRONICS

	_						
Basic	Grid type			~	Grid Freq	~	Set
Charge	Grid regula	ation		✓ R	econnect time(	S)	
Charge	HV1	V	S HV2	V	S HV3	V	Ç
Discharge	LV1	V	S LV2	V	S LV3	V	5
Advanced	HF1	łz	S HF2	Hz	S HF3	Hz	5
Advanced	LF1	łz	S LF2	Hz	S LF3	Hz	5
Debug	Battery typ	e		~		Set	~
Device info.	Lithium bra	and		✓ Lea	ad capacity(Ah	)	
<b>a</b>	<u>_</u>		Contraction (1998)				

- Battery type: Choose the type of batteries
- Lithium brand: 0 for EG4
  - Lead capacity(Ah): If Lead acid is selected change to banks Ah capacity

#### **End User Web Monitoring Settings List**

<ul> <li>Application Setting</li> </ul>					
Power Backup (?) Enable Disabl					
Grid Sell Back Enable Disabl	Grid Sell Back Power(%)	[0, 100] Set			
Fast Zero Export Enable Disabl					
✓ Charge Setting					
System Charge Power Rate(%) [0, 100]	Set				
AC Charge AC Charge Enable Enable Disa	AC Charge Power Rate(%) [0. 100] Set	AC Battery Charge Level(%) [0, 100] Set			
AC Charge Start Time 1 [0, 23] : [0, 55	Set         AC Charge Start Time 2         [0, 23]         : [0, 59]         Set	AC Charge Start Time 3 [0, 23] : [0, 59] Set			
AC Charge End Time 1 [0, 23] : [0, 59	Set         AC Charge End Time 2         [0, 23]         : [0, 59]         Set	AC Charge End Time 3 [0, 23] : [0, 59] Set			
Charge First Charge Priority (?) Enable Disa	Priority Charge Rate(%) [0, 100] Set	Priority Charge Level(%) (?) [0, 100] Set			
Charge First Start Time 1 [0, 23] : [0, 59	Set Charge First Start Time 2 [0, 23] : [0, 59] Set	Charge First Start Time 3 [0, 23] : [0, 59] Set			
Charge First End Time 1 [0, 23] : [0, 55	Set         Charge First End Time 2 [0, 23]         : [0, 59]         Set	Charge First End Time 3 [0, 23] : [0, 59] Set			
<ul> <li>Discharge Setting</li> </ul>					
System Discharge Power Rate(%) (?) [0, 100]	Set         On Grid Cut-Off SOC(%) (?)         [0, 90]         Set	Off-Grid Cut-Off SOC(%) [0, 90] Set			
Forced Discharge Enable Disa	Forced Discharge Power Rate(%) [0, 100] Set	Stop Discharge SOC(%) [0, 100] Set			
Forced Discharge Start Time 1 [0, 23] : [0, 59	Set Forced Discharge Start Time 2 [0, 23] : [0, 59] Set	Forced Discharge Start Time 3 [0, 23] : [0, 59] Set			
Forced Discharge End Time 1 [0, 23] : [0, 55	Set         Forced Discharge End Time 2 [0, 23]         : [0, 59]         Set	Forced Discharge End Time 3 [0, 23] : [0, 59] Set			

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