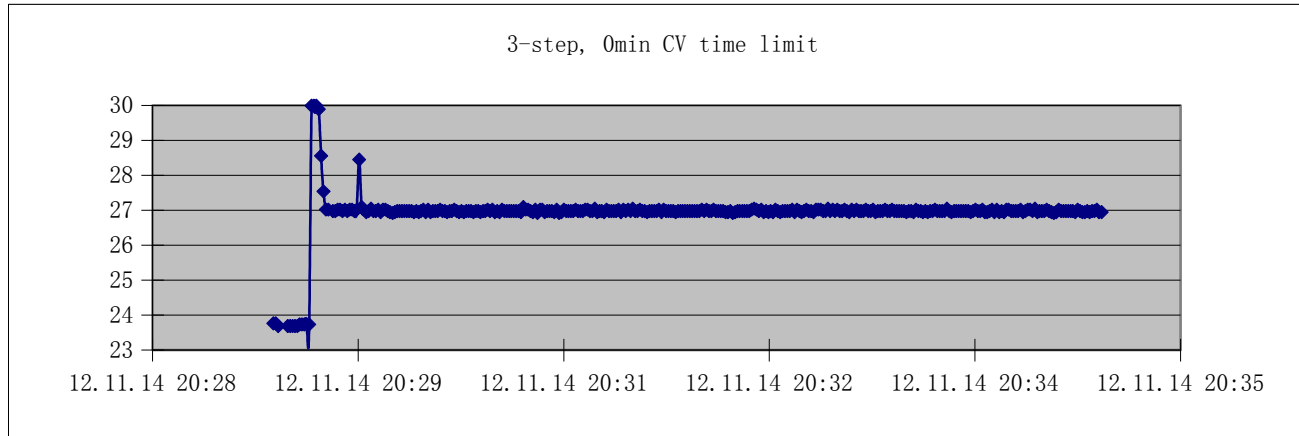


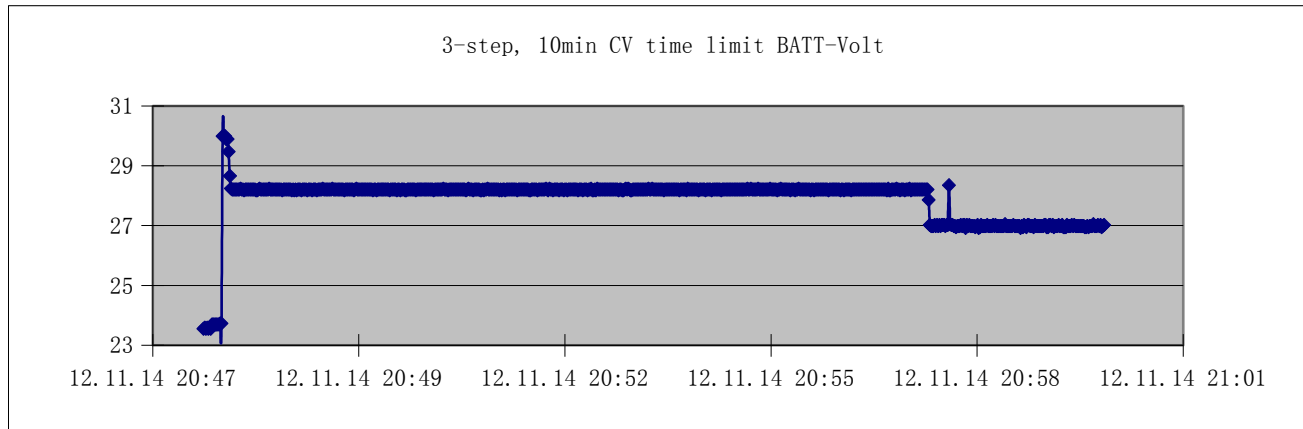
Charger Test:

Prog. 32 Prog. 33 Prog. 16

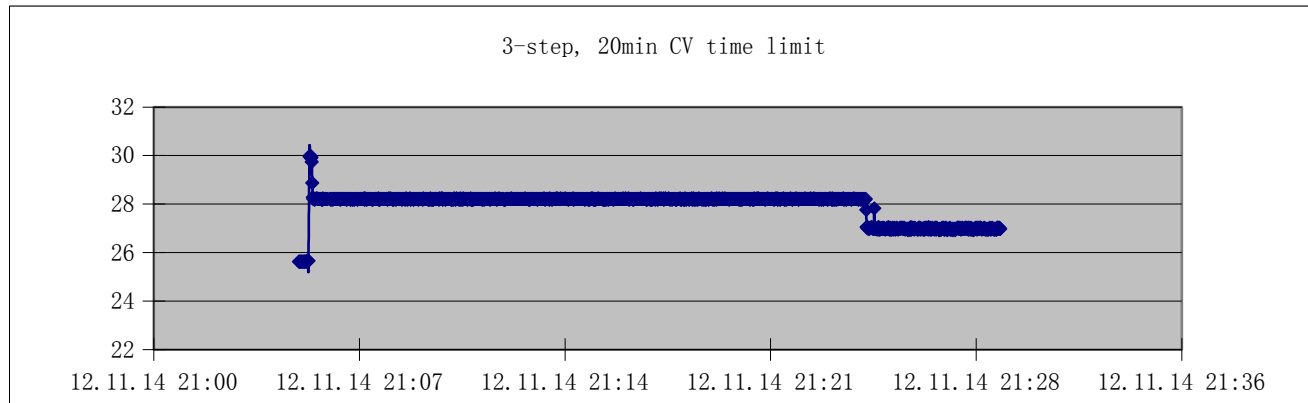
1 3-step 0min Utility AC charging battery to CV mode, then switch to floating immediately



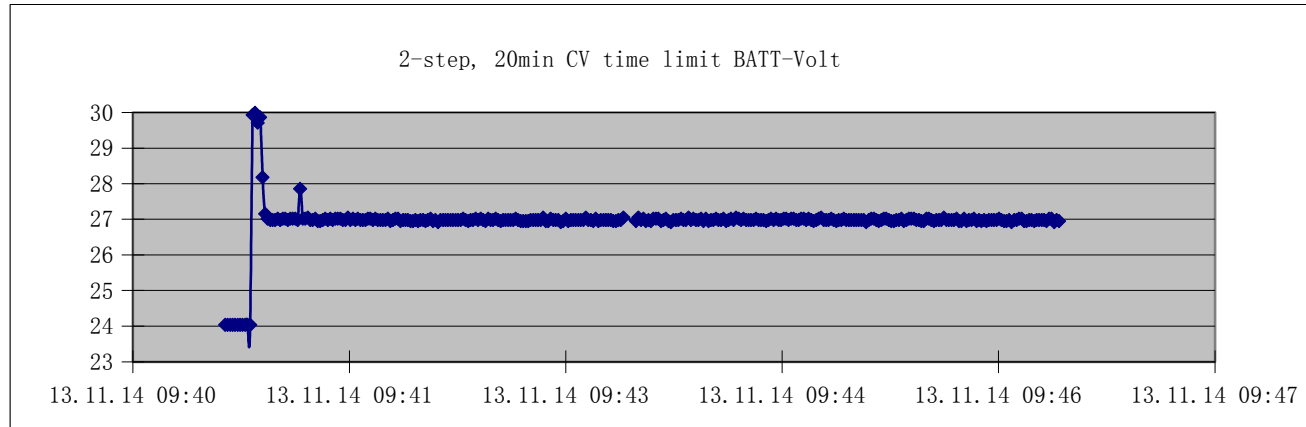
2 3-step 10min Utility AC charging battery to CV mode, then switch to floating 10minutes later



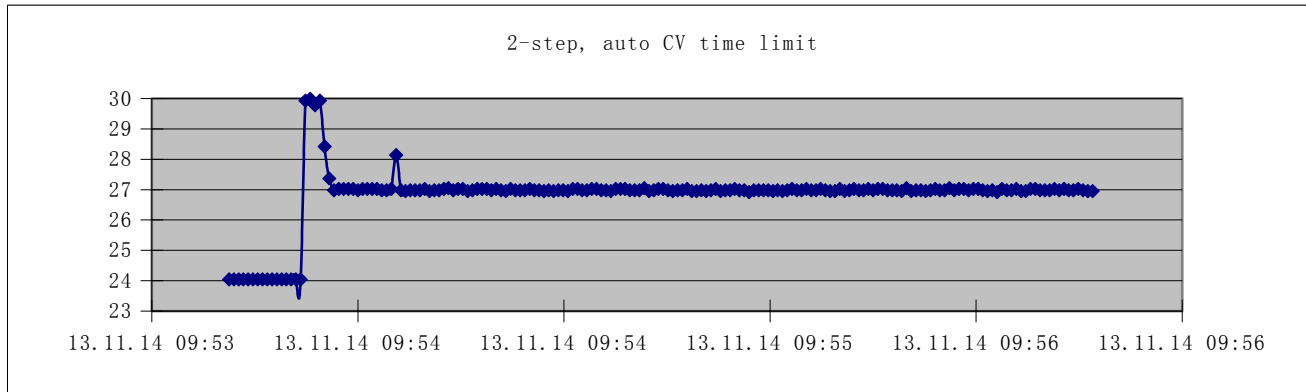
3 3-step 20min Utility AC charging battery to CV mode, then switch to floating 20minutes later



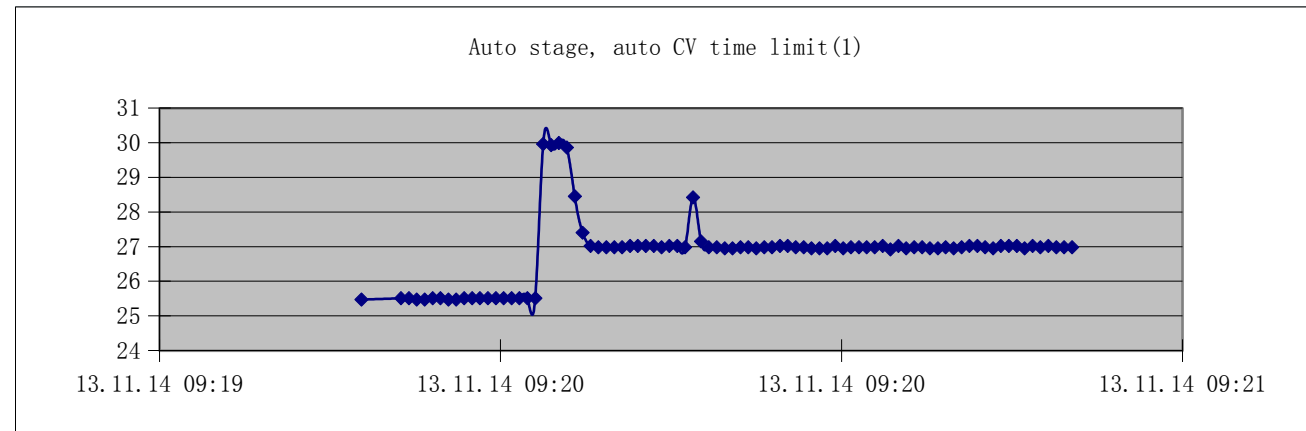
4 2-step 20min Utility AC charging battery voltage to > 28.2V, boot into floating mode immediately



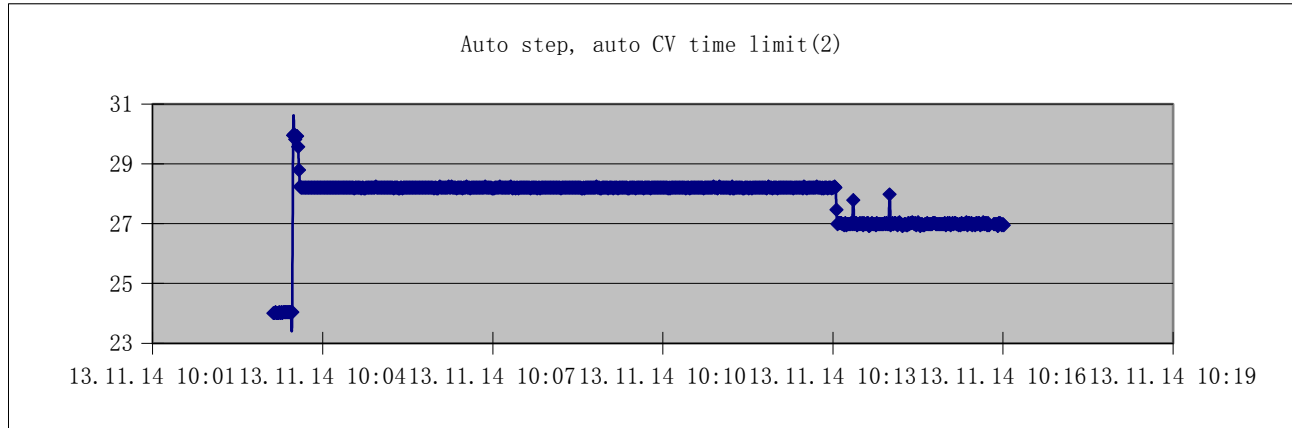
5 2-step 20min Utility AC charging battery voltage to > 28.2V, boot into floating mode immediately



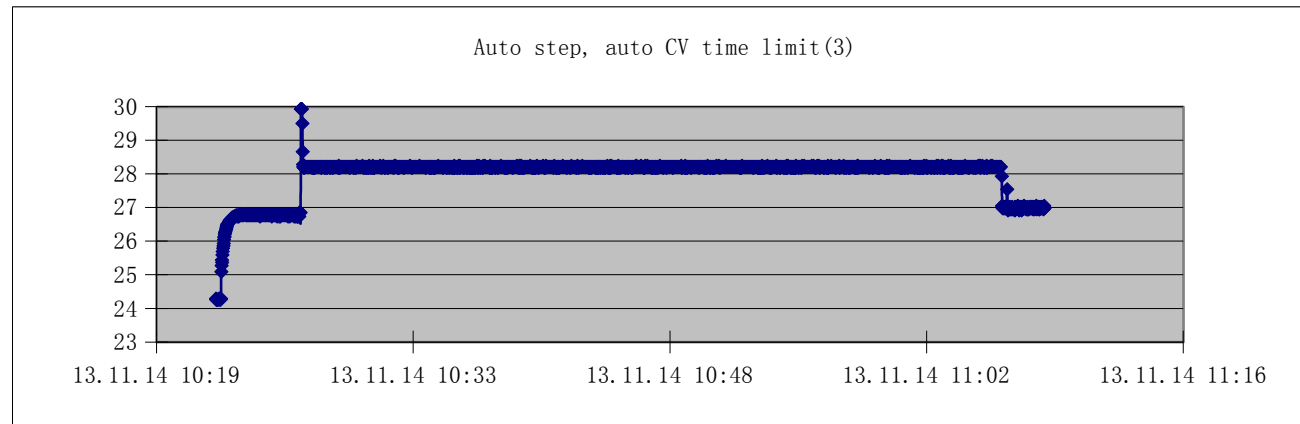
6 Auto Auto Utility Battery voltage > 25V before charging, AC charging battery voltage to > 28.2V, boot into floating mode immediately



7 Auto Auto Utility Battery voltage < 25V before charging, AC charging battery with 3-step mode, <1min on CC charging mode, then charging on CV mode >10min, then boot into floating mode

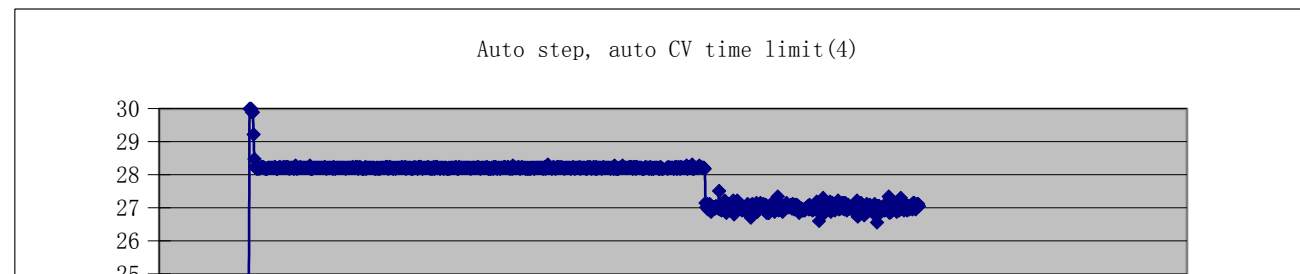


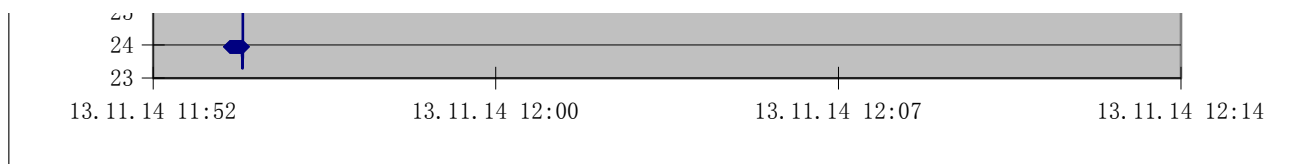
8 Auto Auto Utility Battery voltage < 25V before charging, AC charging battery with 3-step mode, charging on CC mode for about 4min, then charging on CV mode for about 40min, then boot into floating mode



9 Auto Auto Utility Battery voltage < 25V before charging, AC charging battery with 3-step mode, charging on CC mode <1min, then charging on CV mode for about 10min, then boot into floating mode

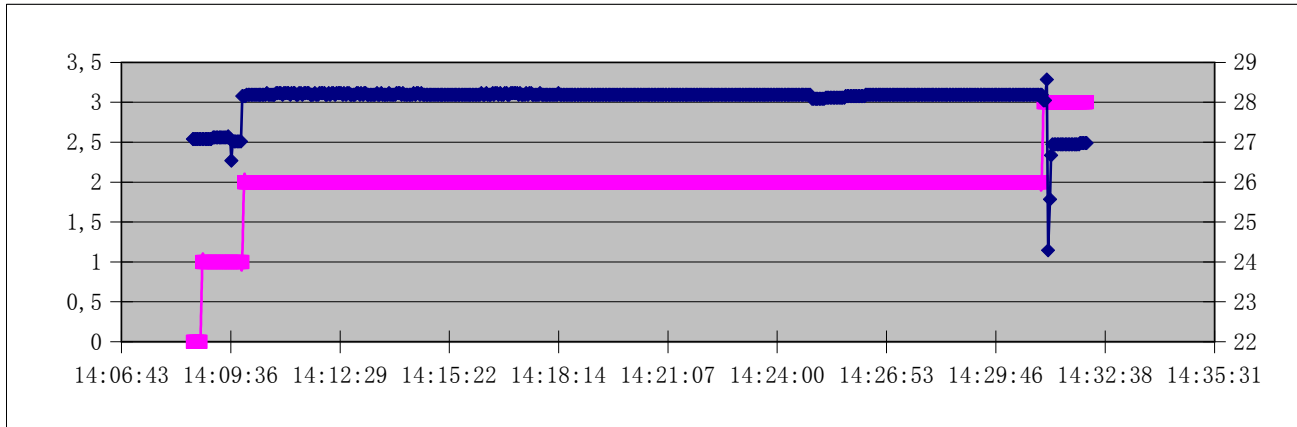
This test on Chroma 62024P, after booting into floating mode, while fans stop, battery voltage not jump to high level





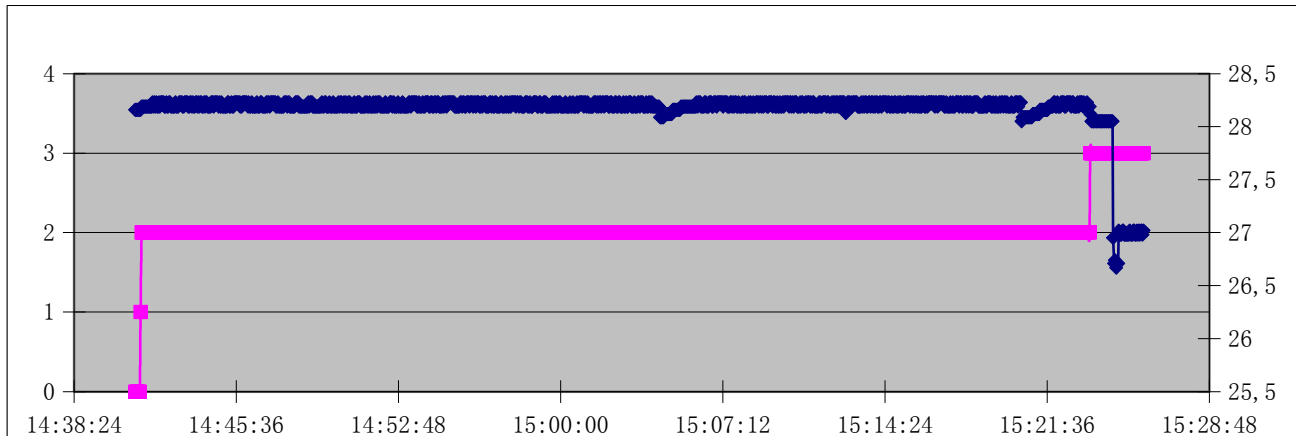
10 3-step 20min Solar  
 Test on GPC-6030D,  
 PV input voltage  
 decrease to near  
 battery voltage  
 while charging,  
 battery voltage  
 changed by manual,  
 charging mode  
 information  
 feedback by unit

SCC start charging battery on CC mode, while battery voltage > 28.2V, SCC charging boot into CV mode, about 20min later into floating mode



11 3-step 40min Solar  
 Test on GPC-6030D,  
 PV input voltage  
 decrease to near  
 battery voltage  
 while charging,  
 battery voltage  
 changed by manual,  
 charging mode  
 information  
 feedback by unit

SCC start charging battery on CC mode, while battery voltage > 28.2V, SCC charging boot into CV mode, about 40min later into floating mode



12 2-step 40min Solar  
 SCC start charging battery on CC mode, while battery voltage > 28.2V, boot into floating mode immediately  
 Battery voltage > 25V before charging, SCC charging with 3-step, SCC start charging battery on CC mode, while battery voltage > 28.2V, boot into CV mode,  
 13 3-step auto Solar about 10min later (minimum CV time), boot into floating mode

SCC start charging battery on CC mode, while battery voltage > 28.2V, boot into floating mode immediately  
 Battery voltage > 25V before charging, SCC charging with 3-step, SCC start charging battery on CC mode, while battery voltage > 28.2V, boot into CV mode,  
 about 10min later (minimum CV time), boot into floating mode

14	2-step	auto	Solar	Battery voltage < 25V before charging, SCC still charging with 2-step, SCC start charging on CC mode, while battery voltage > 28.2V, boot into floating mode immediately
15	auto	auto	Solar	Battery voltage > 25V before charging, SCC charging with 2-step, SCC start charging battery on CC mode, while battery voltage > 28.2V, boot into floating mode
16	auto	auto	Solar	Battery voltage < 25V before charging, SCC charging with 3-step, SCC start charging battery on CC mode, while battery voltage > 28.2V, boot into CV mode, 3h10min later, boot into floating mode
17	auto	auto	SNU	Battery voltage > 25V before charging, Utility and SCC charging with 2-step, Utility and SCC start charging battery on CC mode, while battery voltage > 28.2V, boot into floating mode
18	3-step	20min	SNU	Battery voltage > 25V before charging, Utility and SCC still charging with 3-step, SCC start charging battery on CC mode, while battery voltage > 28.2V, boot into CV mode, about 20minutes later, boot into floating mode
19	auto	auto	SNU	Battery voltage < 25V before charging, Utility and SCC charging with 3-step, Utility and SCC start charging battery on CC mode, CC time is about 3mins, while battery voltage > 28.2V, boot into CV mode, CV time is about 30mins, then boot into floating mode

