Filename: C:\Users\LausenmeyerMaximilia\OneDrive - VARTA Microbattery GmbH\Desktop\\Li_Ion_dynamic_Z100_Profile_B.000
Comment: Dynamic Profile B): Outdoor enthusiast (10 cycles + DCIR meas.) x 10 = 100 cycles total;05.12.2025

| Step | Type | Mode | Value | Limit | Value | End Type | Op | Value | Goto | Report Type | Value | Options | Step Note (80 character maximum) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Rest | | | | | Step Time | = | 00:00:02 | 002 | Step Time | 00:00:01 | ANNN | |
| | | | | | | Voltage | <= | 2,9 | 070 | | | | |
| | | | | | | Voltage | >= | 4,3 | 070 | | | | |
| | | | | | | | | | | | | | |
| 2 | Do1 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 3 | Advance Cycle | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 4 | Discharge | Power | 12,0 | | | Step Time | = | 02:00:00 | 005 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 005 | | | | |
| | | | | | | | | | | | | | |
| 5 | Rest | | | | | Step Time | = | 00:30:00 | 006 | | | ANNN | |
| | | | | | | | | | | | | | |
| 6 | Charge | Power | 7,45 | Voltage | 4,2 | Step Time | = | 02:00:00 | 007 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Current | <= | 0,01c | 008 | | | | |
| | | | | | | | | | | | | | |
| 7 | Charge | Power | 3,26 | Voltage | 4,2 | Step Time | = | 02:30:00 | 008 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Current | <= | 0,01c | 008 | | | | |
| | | | | | | | | | | | | | |
| 8 | Rest | | | | | Step Time | = | 00:30:00 | 009 | | | ANNN | |
| | | | | | | | | | | | | | |
| 9 | Discharge | Power | 8,6 | | | Step Time | = | 01:40:00 | 010 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 012 | | | | |
| | | | | | | | | | | | | | |
| 10 | Discharge | Power | 7,0 | | | Step Time | = | 00:45:00 | 011 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 012 | | | | |
| | | | | | | | | | | | | | |
| 11 | Discharge | Power | 6,2 | | | Step Time | = | 00:25:00 | 012 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 012 | | | | |
| | | | | | | | | | | | | | |
| 12 | Rest | | | | | Step Time | = | 00:30:00 | 013 | | | ANNN | |
| | | | | | | | | | | | | | |
| 13 | Charge | Power | 7,45 | Voltage | 4,2 | Step Time | = | 02:00:00 | 014 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Current | <= | 0,01c | 015 | | | | |
| | | | | | | | | | | | | | |
| 14 | Charge | Power | 3,26 | Voltage | 4,2 | Step Time | = | 02:30:00 | 015 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Current | <= | 0,01c | 015 | | | | |
| | | | | | | | | | | | | | |
| 15 | Rest | | | | | Step Time | = | 00:30:00 | 016 | | | ANNN | |

Filename: C:\Users\LausenmeyerMaximilia\OneDrive - VARTA Microbattery GmbH\Desktop\\Li_Ion_dynamic_Z100_Profile_B.000
Comment: Dynamic Profile B): Outdoor enthusiast (10 cycles + DCIR meas.) x 10 = 100 cycles total;05.12.2025

| Step | Type | Mode | Value | Limit | Value | End Type | Op | Value | Goto | Report Type | Value | Options | Step Note (80 character maximum) |
|------|------|------|-------|-------|-------|----------|-----|-------|------|-------------|-------|---------|----------------------------------|
| 16 | Discharge | Power | 10,6 | | | Step Time | = | 02:00:00 | 017 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 017 | | | | |
| 17 | Rest | | | | | Step Time | = | 00:30:00 | 018 | | | ANNN | |
| 18 | Charge | Power | 5,48 | Voltage | 4,2 | Step Time | = | 03:20:00 | 019 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Current | <= | 0,01c | 020 | | | | |
| 19 | Charge | Power | 3,18 | Voltage | 4,2 | Step Time | = | 02:30:00 | 020 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Current | <= | 0,01c | 020 | | | | |
| 20 | Rest | | | | | Step Time | = | 12:00:00 | 021 | | | ANNN | |
| 21 | Discharge | Power | 10,9 | | | Step Time | = | 00:35:00 | 022 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 024 | | | | |
| 22 | Discharge | Power | 10,0 | | | Step Time | = | 01:10:00 | 023 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 024 | | | | |
| 23 | Discharge | Power | 8,3 | | | Step Time | = | 00:50:00 | 024 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 024 | | | | |
| 24 | Rest | | | | | Step Time | = | 00:30:00 | 025 | | | ANNN | |
| 25 | Charge | Power | 7,45 | Voltage | 4,2 | Step Time | = | 02:00:00 | 026 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Current | <= | 0,01c | 027 | | | | |
| 26 | Charge | Power | 3,26 | Voltage | 4,2 | Step Time | = | 02:30:00 | 027 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Current | <= | 0,01c | 027 | | | | |
| 27 | Rest | | | | | Step Time | = | 00:30:00 | 028 | | | ANNN | |
| 28 | Discharge | Power | 11,0 | | | Step Time | = | 00:50:00 | 029 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 032 | | | | |
| 29 | Discharge | Power | 7,56 | | | Step Time | = | 00:50:00 | 030 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 032 | | | | |

| Step | Type | Mode | Value | Limit | Value | End Type | Op | Value | Goto | Report Type | Value | Options | Step Note (80 character maximum) |
|------|------|------|-------|-------|-------|----------|----|-------|------|-------------|-------|---------|----------------------------------|
| 30 | Discharge | Power | 3,7 | | | Step Time | = | 01:20:00 | 031 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 032 | | | | |
| 31 | Discharge | Power | 1,13 | | | Step Time | = | 01:00:00 | 032 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 032 | | | | |
| 32 | Rest | | | | | Step Time | = | 00:30:00 | 033 | | | ANNN | |
| 33 | Charge | Power | 7,45 | Voltage | 4,2 | Step Time | = | 02:00:00 | 034 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Current | <= | 0,01c | 035 | | | | |
| 34 | Charge | Power | 3,26 | Voltage | 4,2 | Step Time | = | 02:30:00 | 035 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Current | <= | 0,01c | 035 | | | | |
| 35 | Rest | | | | | Step Time | = | 00:30:00 | 036 | | | ANNN | |
| 36 | Discharge | Power | 5,2 | | | Step Time | = | 00:15:00 | 037 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 038 | | | | |
| 37 | Discharge | Power | 7,0 | | | Step Time | = | 03:00:00 | 038 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 038 | | | | |
| 38 | Rest | | | | | Step Time | = | 00:30:00 | 039 | | | ANNN | |
| 39 | Charge | Power | 5,48 | Voltage | 4,2 | Step Time | = | 03:20:00 | 040 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Current | <= | 0,01c | 041 | | | | |
| 40 | Charge | Power | 3,18 | Voltage | 4,2 | Step Time | = | 02:30:00 | 041 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Current | <= | 0,01c | 041 | | | | |
| 41 | Rest | | | | | Step Time | = | 00:30:00 | 042 | | | ANNN | |
| 42 | Discharge | Power | 8,6 | | | Step Time | = | 01:40:00 | 043 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 045 | | | | |
| 43 | Discharge | Power | 7,0 | | | Step Time | = | 00:45:00 | 044 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 045 | | | | |

| Step | Type | Mode | Value | Limit | Value | End Type | Op | Value | Goto | Report Type | Value | Options | Step Note (80 character maximum) |
|------|------|------|-------|-------|-------|----------|-----|-------|------|-------------|-------|---------|----------------------------------|
| 44 | Discharge | Power | 6,2 | | | Step Time | = | 00:25:00 | 045 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 045 | | | | |
| 45 | Rest | | | | | Step Time | = | 00:30:00 | 046 | | | ANNN | |
| 46 | Charge | Power | 7,45 | Voltage | 4,2 | Step Time | = | 02:00:00 | 047 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Current | <= | 0,01c | 048 | | | | |
| 47 | Charge | Power | 3,26 | Voltage | 4,2 | Step Time | = | 02:30:00 | 048 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Current | <= | 0,01c | 048 | | | | |
| 48 | Rest | | | | | Step Time | = | 12:00:00 | 049 | | | ANNN | |
| 49 | Discharge | Power | 10,9 | | | Step Time | = | 00:35:00 | 050 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 052 | | | | |
| 50 | Discharge | Power | 10,0 | | | Step Time | = | 01:10:00 | 051 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 052 | | | | |
| 51 | Discharge | Power | 8,3 | | | Step Time | = | 00:50:00 | 052 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 052 | | | | |
| 52 | Rest | | | | | Step Time | = | 00:30:00 | 053 | | | ANNN | |
| 53 | Charge | Power | 7,45 | Voltage | 4,2 | Step Time | = | 02:00:00 | 054 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Current | <= | 0,01c | 055 | | | | |
| 54 | Charge | Power | 3,26 | Voltage | 4,2 | Step Time | = | 02:30:00 | 055 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Current | <= | 0,01c | 055 | | | | |
| 55 | Rest | | | | | Step Time | = | 00:30:00 | 056 | | | ANNN | |
| 56 | Discharge | Power | 5,2 | | | Step Time | = | 00:15:00 | 057 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 058 | | | | |
| 57 | Discharge | Power | 7,0 | | | Step Time | = | 03:00:00 | 058 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 058 | | | | |

| Step | Type | Mode | Value | Limit | Value | End Type | Op | Value | Goto | Report Type | Value | Options | Step Note (80 character maximum) |
|------|------|------|-------|-------|-------|----------|-----|-------|------|-------------|-------|---------|----------------------------------|
| 58 | Rest | | | | | Step Time | = | 00:30:00 | 059 | | | ANNN | |
| 59 | Charge | Power | 5,48 | Voltage | 4,2 | Step Time | = | 03:20:00 | 060 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Current | <= | 0,01c | 061 | | | | |
| 60 | Charge | Power | 3,18 | Voltage | 4,2 | Step Time | = | 02:30:00 | 061 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Current | <= | 0,01c | 061 | | | | |
| 61 | Rest | | | | | Step Time | = | 00:30:00 | 062 | | | ANNN | |
| 62 | Discharge | Power | 10,6 | | | Step Time | = | 02:00:00 | 063 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Voltage | <= | 3,0 | 063 | | | | |
| 63 | Rest | | | | | Step Time | = | 00:30:00 | 064 | | | ANNN | |
| 64 | Charge | Power | 7,45 | Voltage | 4,2 | Step Time | = | 02:00:00 | 065 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Current | <= | 0,01c | 066 | | | | |
| 65 | Charge | Power | 3,26 | Voltage | 4,2 | Step Time | = | 02:30:00 | 066 | Step Time | 00:01:00 | ANNN | |
| | | | | | | Current | <= | 0,01c | 066 | | | | |
| 66 | Discharge | Current | 0,2c | | | Step Time | = | 00:00:10 | 067 | Step Time | 00:00:01 | ANNN | |
| 67 | Discharge | Current | 1,0C | | | Step Time | = | 00:00:01 | 068 | Step Time | 00:00:01 | ANNN | |
| 68 | Rest | | | | | Step Time | = | 00:30:00 | 069 | | | ANNN | |
| 69 | Loop1 | | | | | Loop Count | = | 10 | 070 | | | | |
| 70 | End | | | | | | | | | | | | |